

#4

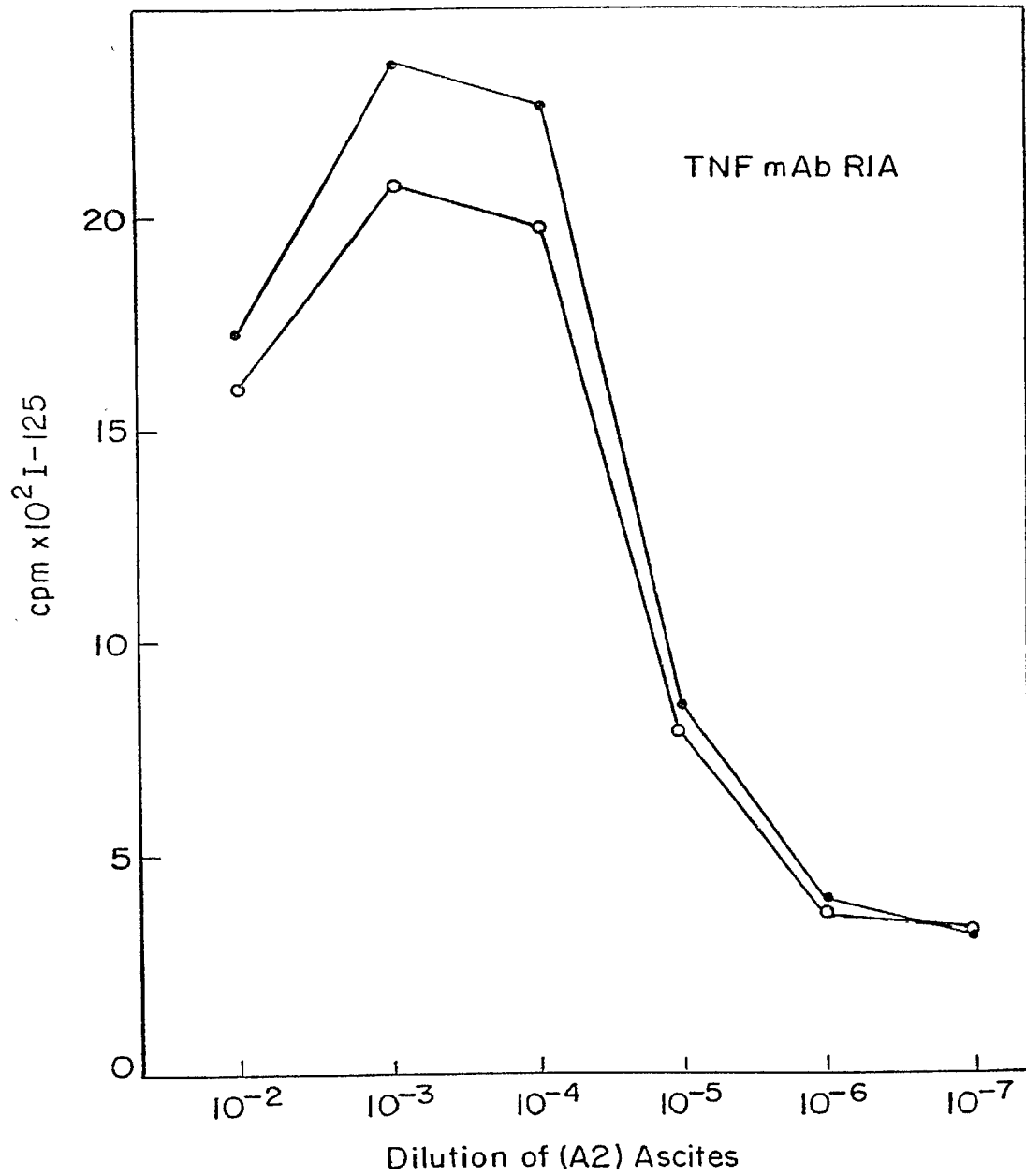


FIG. 1

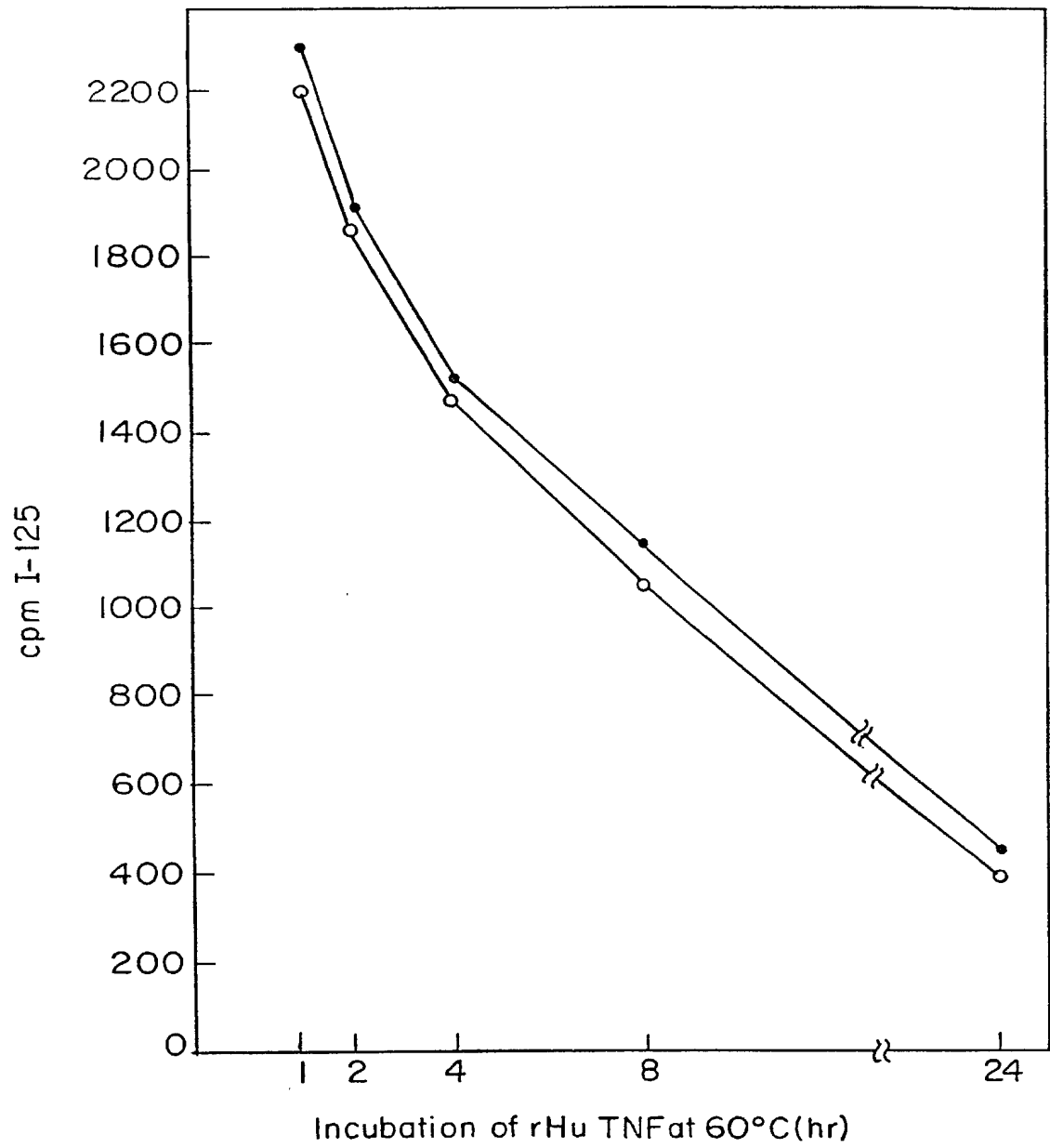


FIG. 2

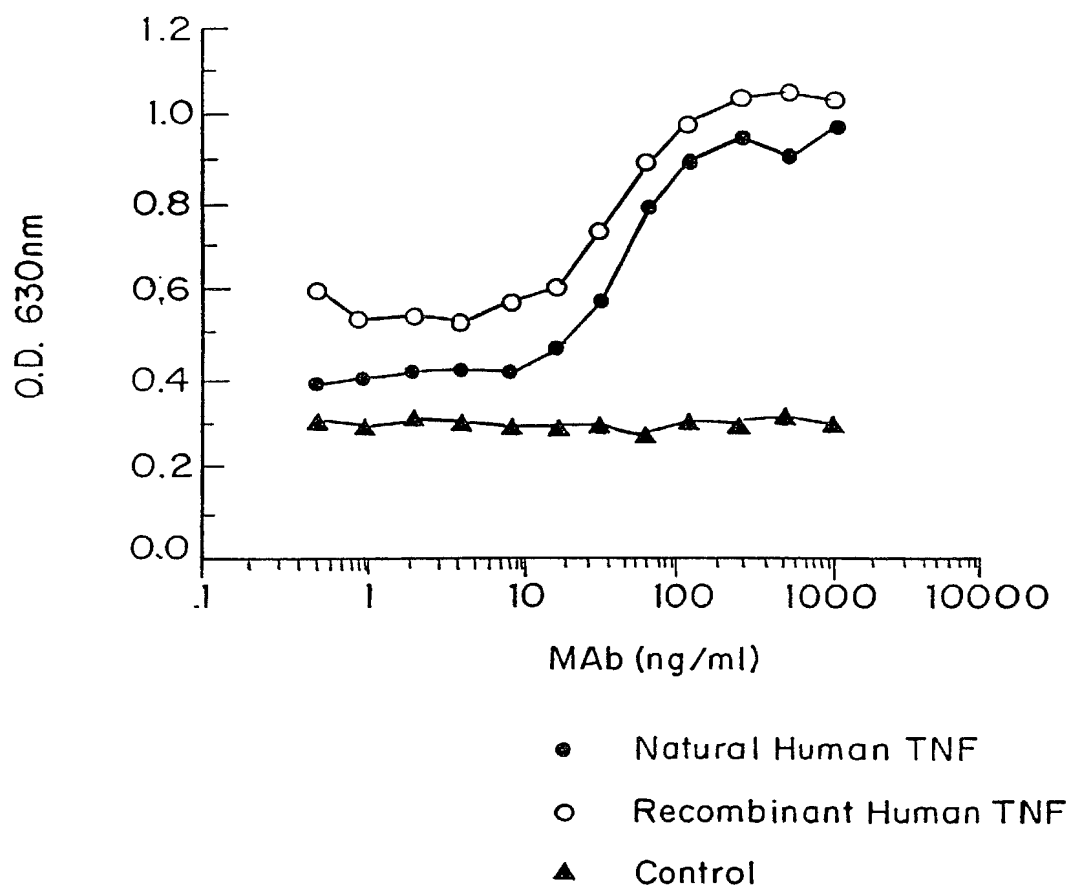


FIG. 3

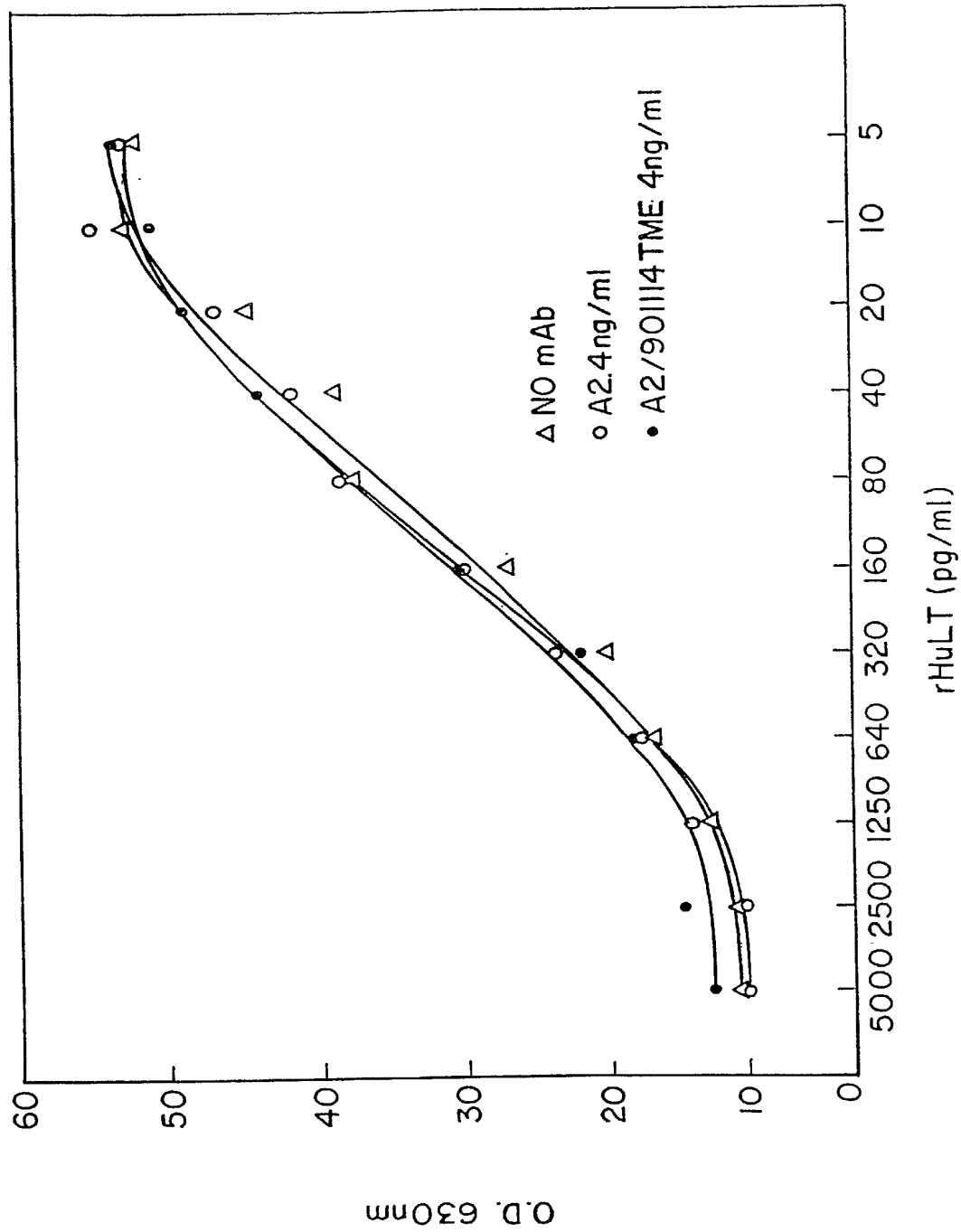


FIG. 4

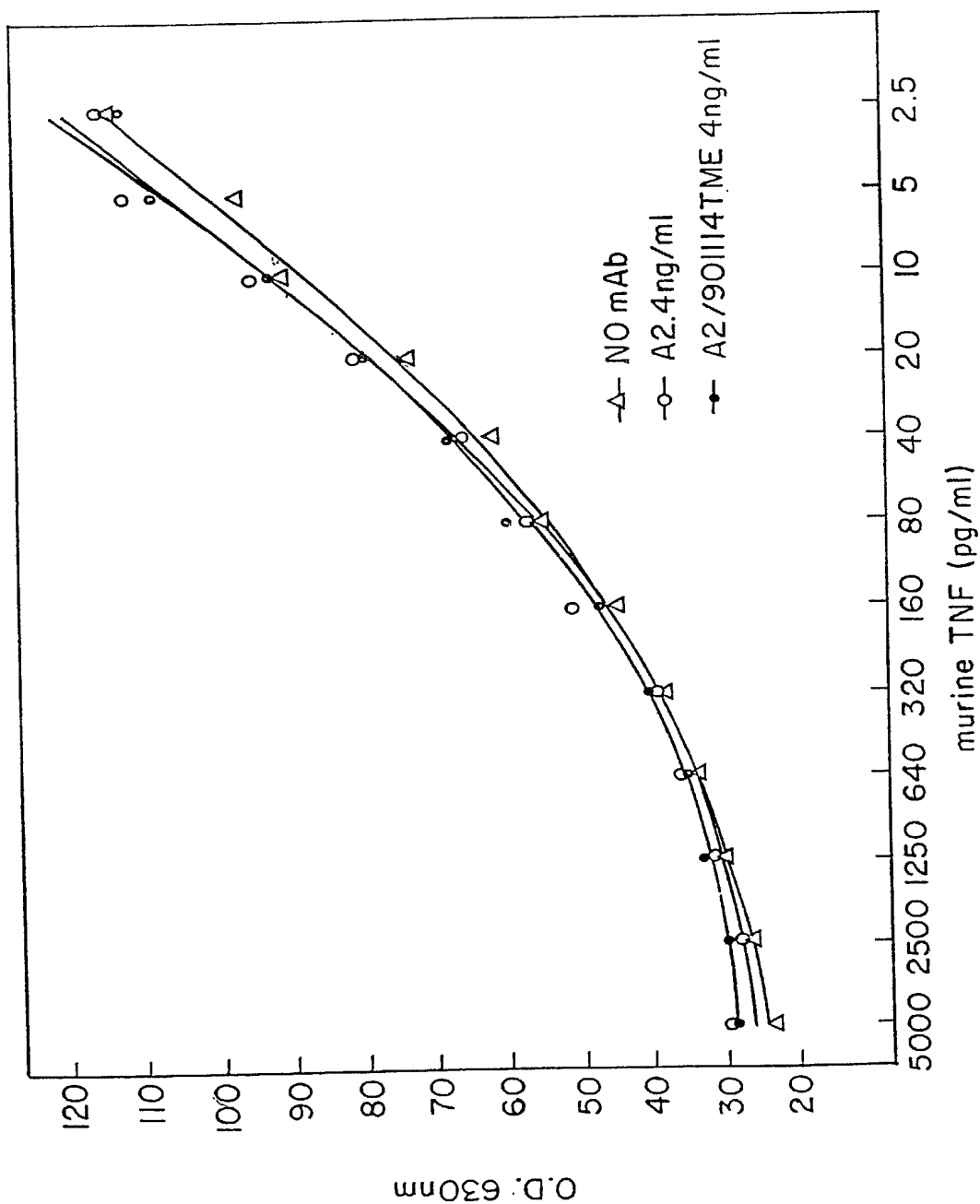


FIG. 5

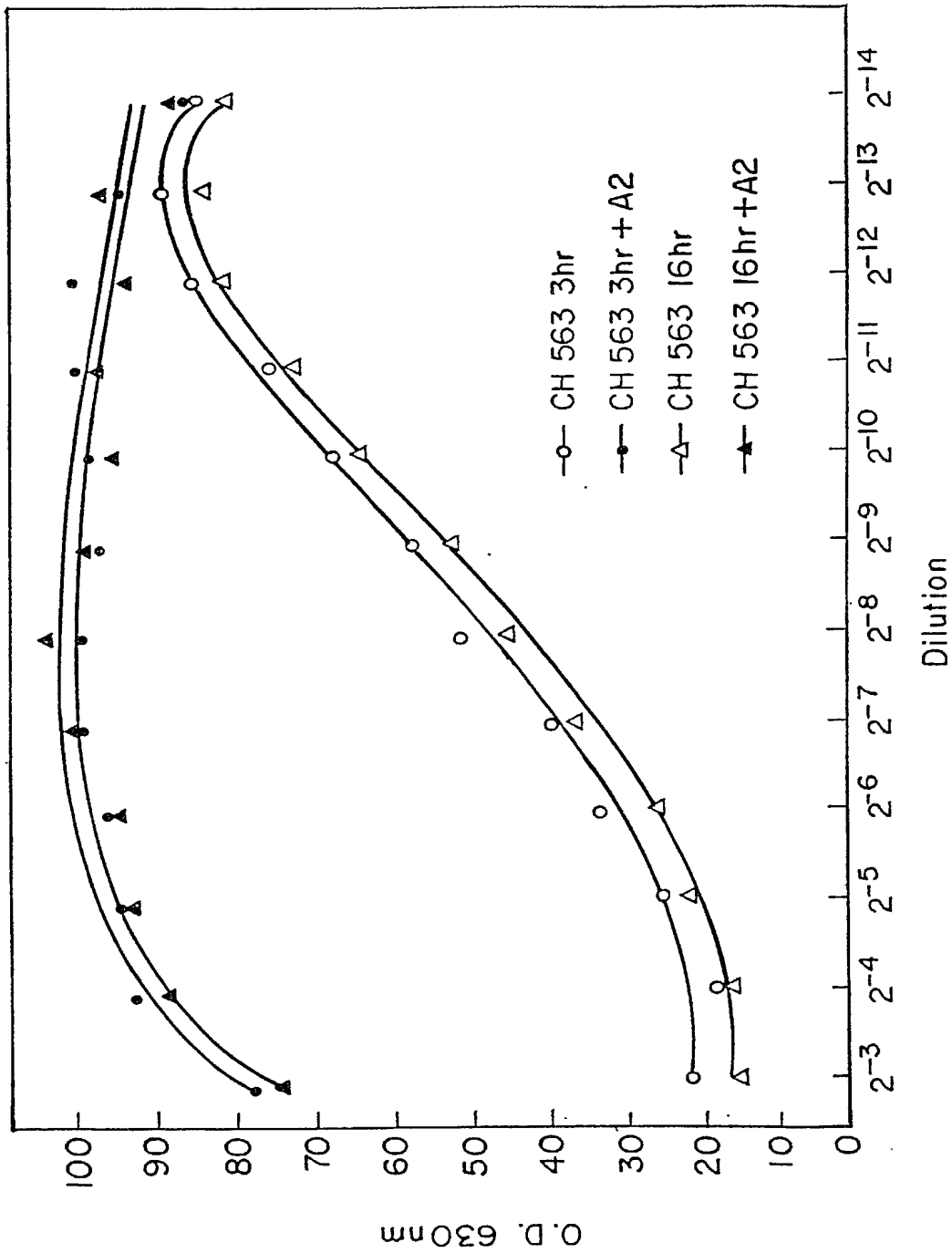


FIG. 6

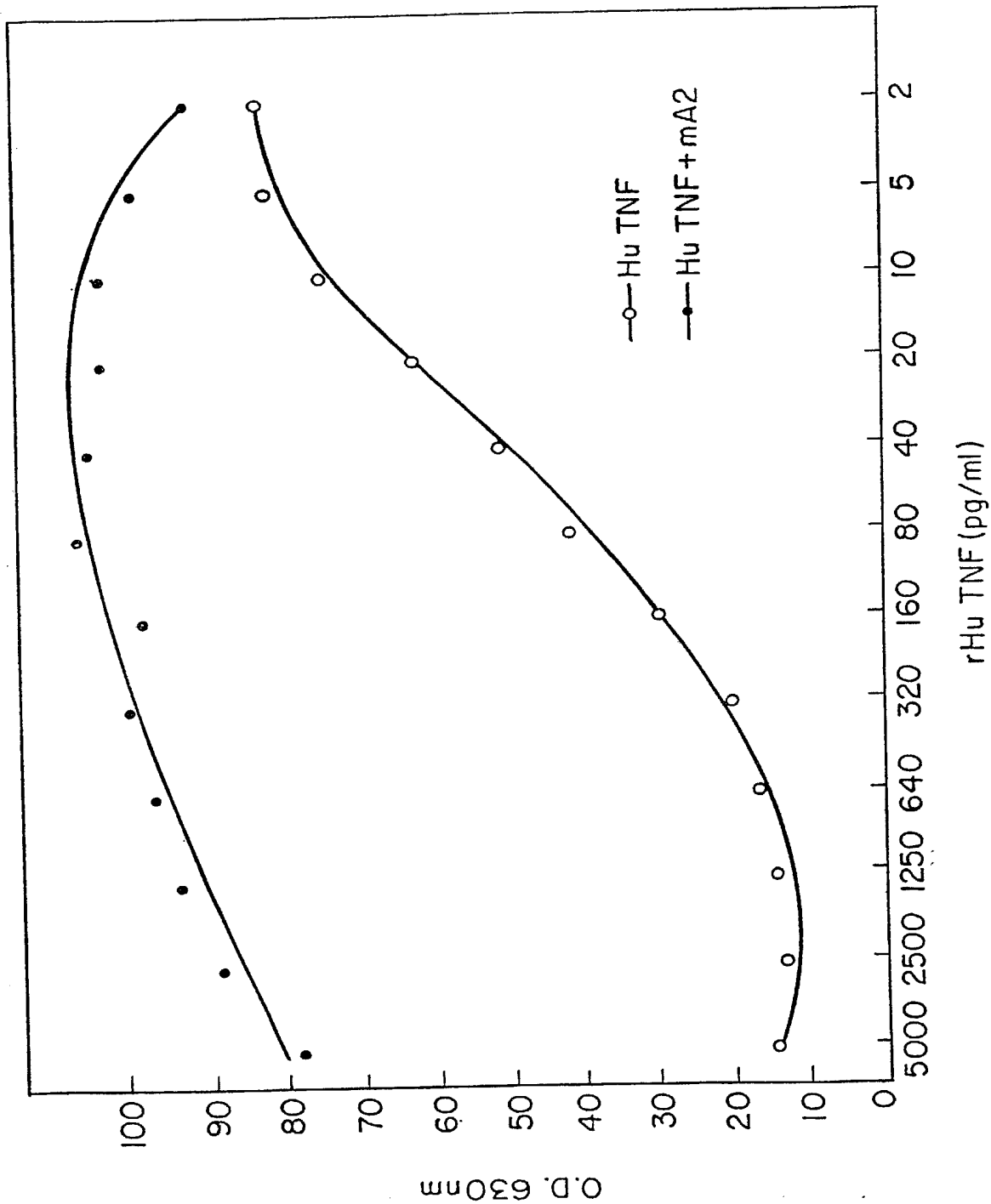


FIG. 7

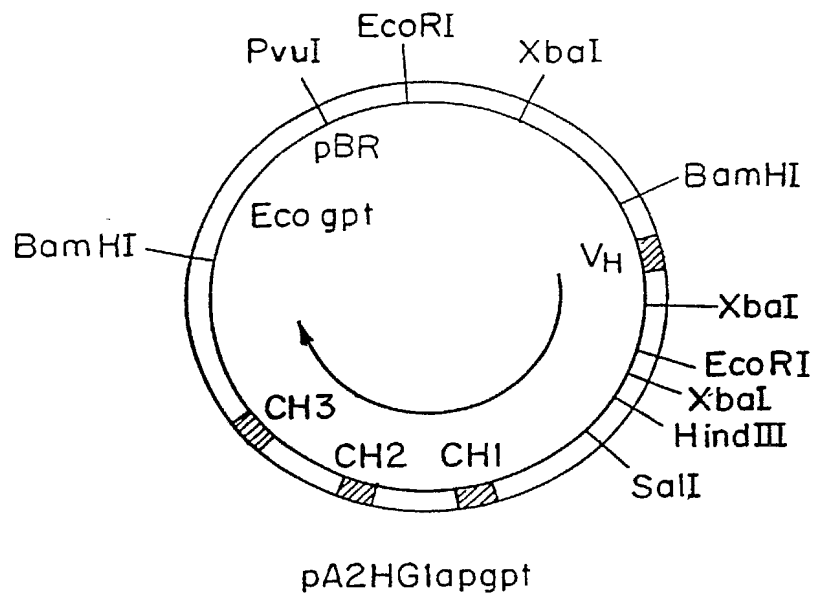


FIG. 8A

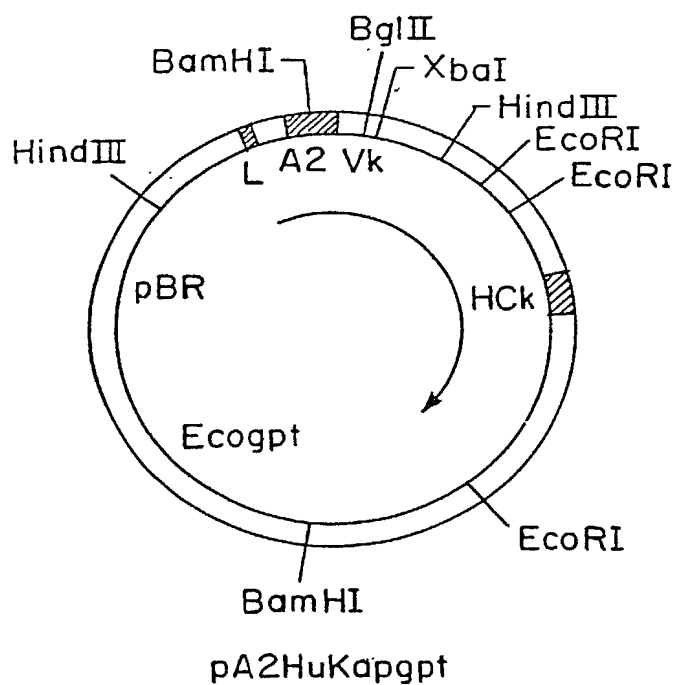


FIG. 8B



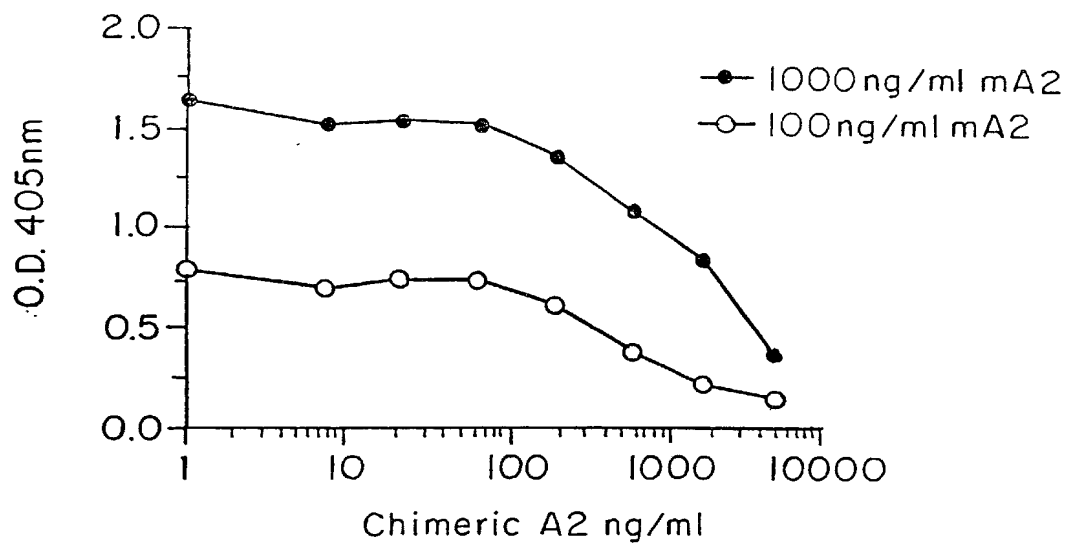


FIG. 9A

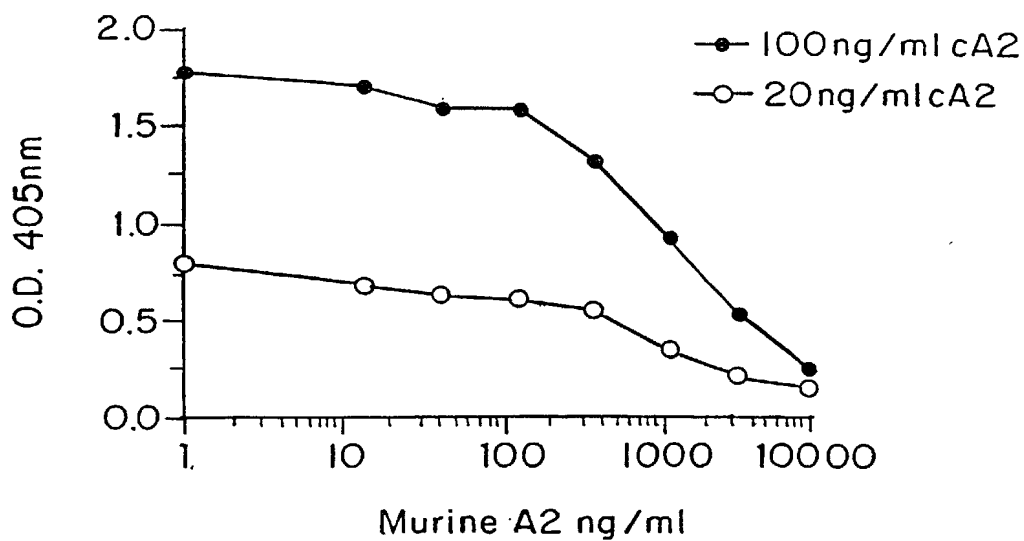


FIG. 9B

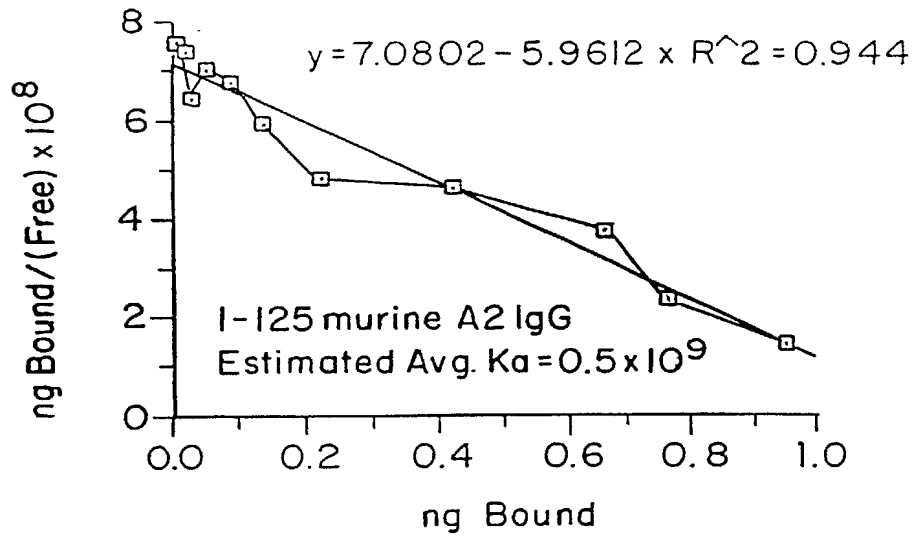


FIG. 10A

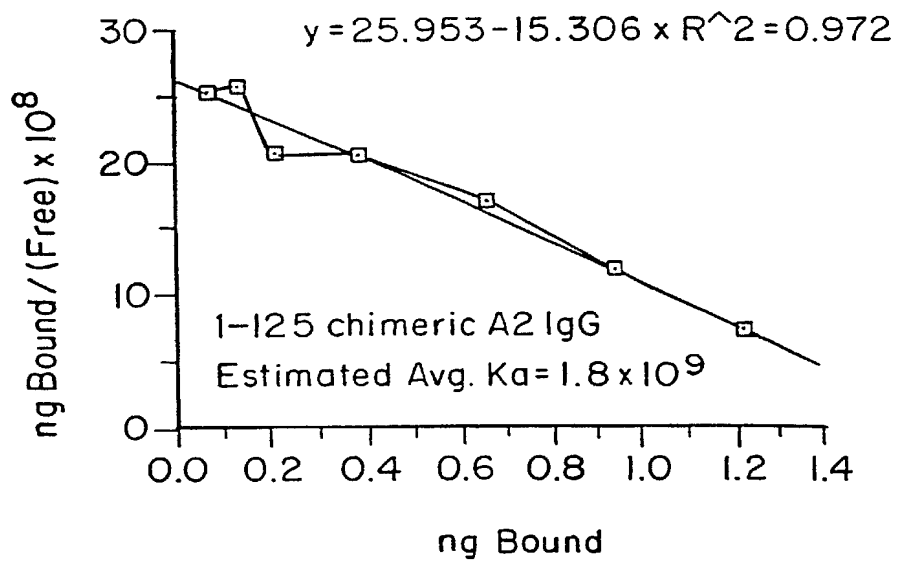


FIG. 10B

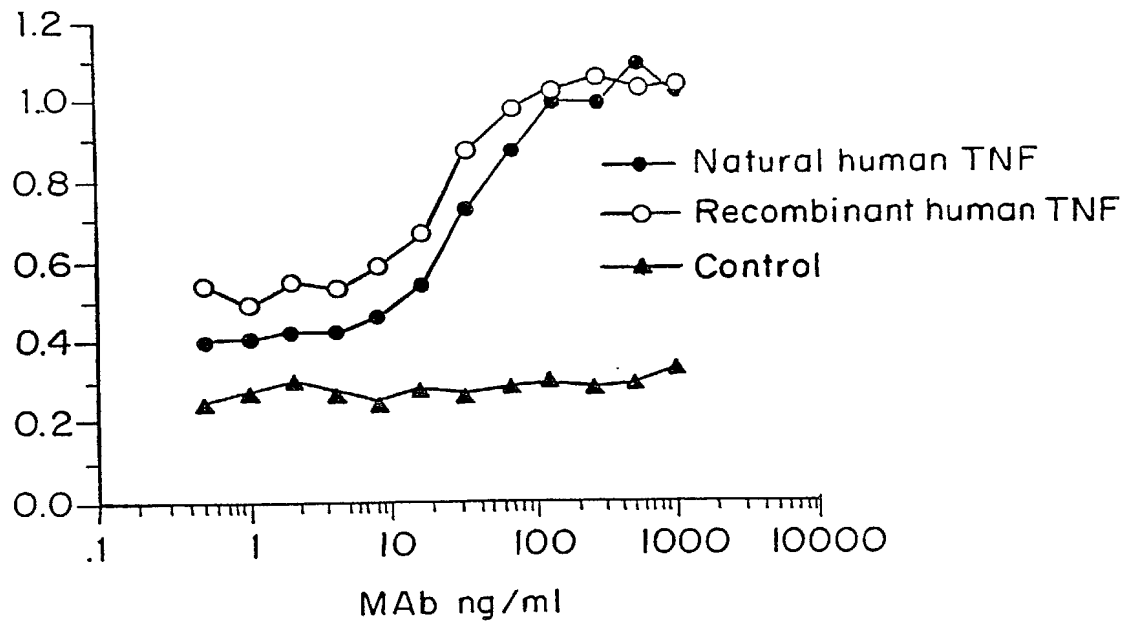


FIG. 11

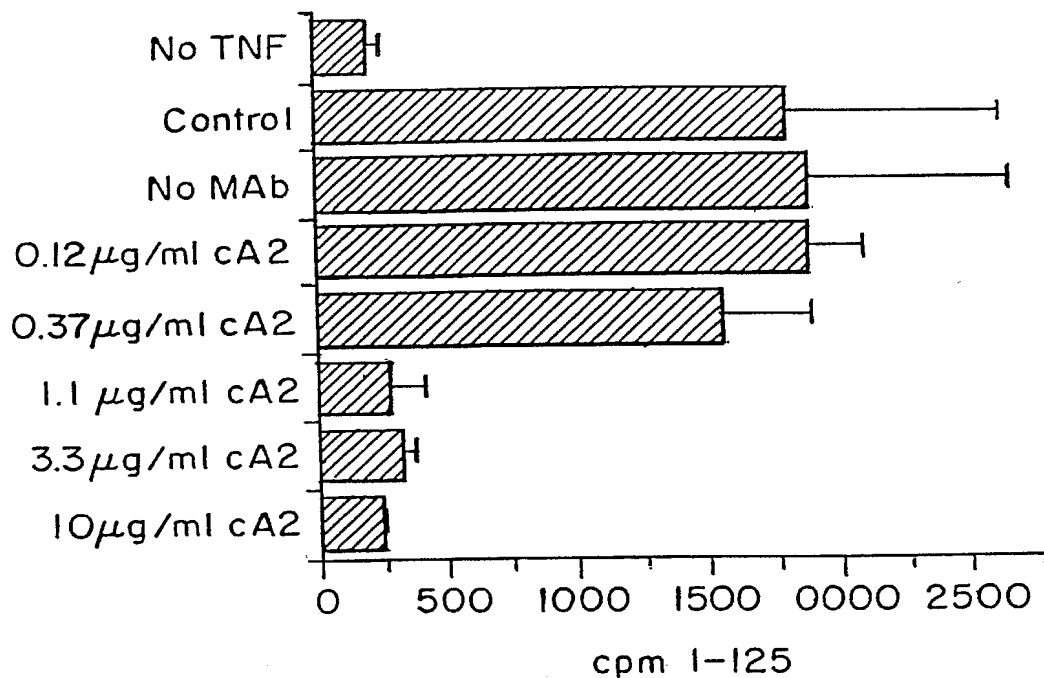


FIG. 12

1 Val Arg Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro  
10  
21 Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu Leu Ala Asn Gly  
30  
41 Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser  
50  
61 Gln Val Leu Phe Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile  
70  
81 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Ser Ala Ile Lys Ser Pro  
90  
101 Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trp Tyr Glu Pro Ile Tyr Leu  
110  
121 Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp  
130  
141 Tyr Leu Asp Phe Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu  
150

FIG. 13

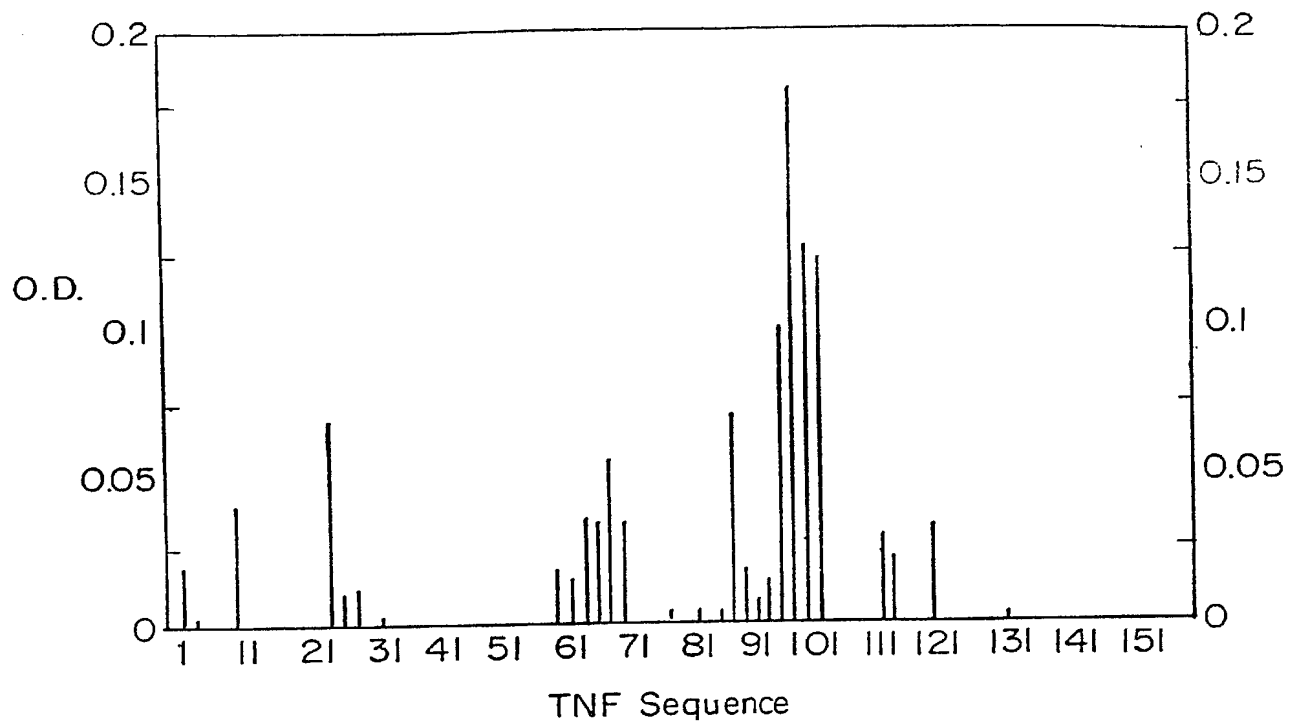


FIG. 14A

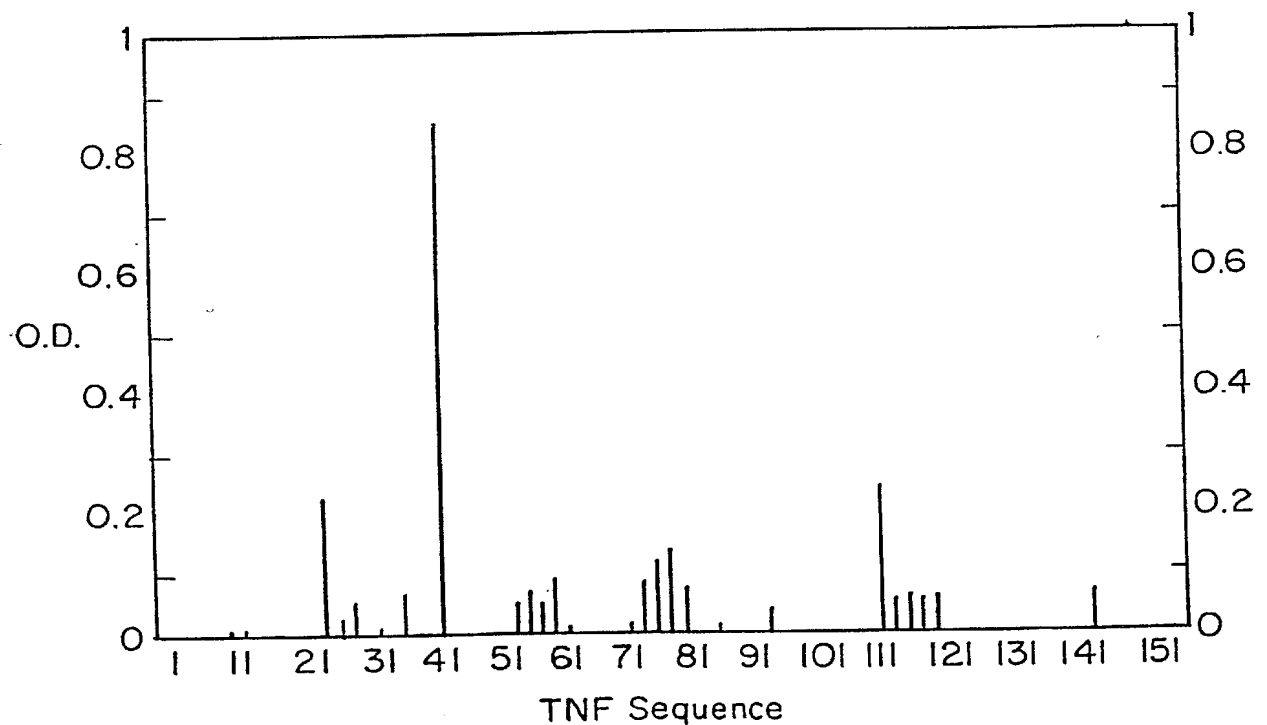


FIG. 14B

1 Val Arg Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro 10  
21 Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu Leu Ala Asn Gly 30  
41 Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser 50  
61 Gln Val Leu Phe Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile 70  
81 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro 90  
101 Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trp Tyr Glu Pro Ile Tyr Leu 110  
121 Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp 130  
141 Tyr Leu Asp Phe Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu 150

FIG. 15

GACATCTTGCTGACTCAGTCTCCAGCCATCCTGTCTGTGAGTCCAGGAGAAAGAGTCAGT  
AspIleLeuLeuThrGlnSerProAlaIleLeuSerValSerProGlyGluArgValSer  
TTCTCTGCAGGCCAGTCAGTTCGTTGGCTCAAGCATCCACTGGTATCAGCAAGAACA  
PheSerCysArgAlaSerGlnPheValGlySerSerIleHisTrpTyrGlnGlnArgThr  
AATGGTTCTCCAAGGCTTCTCATAAAGTATGCTTCTGAGTCTATGTCTGGGATCCCTTCC  
AsnGlySerProArgLeuLeuIleLysTyrAlaSerGluSerMetSerGlyIleProSer  
AGGTTTAGTGGCAGTGGATCAGGACAGATTTTACTCTTAGCATCAACACTGTGGAGTCT  
ArgPheSerGlySerGlySerGlyThrAspPheThrLeuSerIleAsnThrValGluSer  
GAAGATATTGCAGATTATTACTGTCAAGAAAGTCATAGCTGGCCATTACAGTTCGGCTCG  
GluAspIleAlaAspTyrTyrCysGlnGlnSerHisSerTrpPropheThrPheGlySer  
GGGACAAATTTGGAAGTAAAA  
GlyThrAsnLeuGluValIys

FIG. 16A

GAAGTGAAGCTTGAGGAGTCTGGAGGAGGCTTGGTGCAACCTGGAGGATCCATGAAACTC  
GluValLysLeuGluSerGlyGlyLeuValGlnProGlyGlySerMetLysLeu  
TCCTGTGTGCTCTGGATTTCATTTTCAGTAACCACTGGATGAAGTGGTCCGCCAGTCT  
SerCysValAlaSerGlyPheIlePheSerAsnHisTrpMetAsnTrpValArgGlnSer  
CCAGAGAAGGGCTTGAGTGGGTGCTGAAATTAGATCAAAATCTATTAATCTGCAACA  
ProGluLysGlyLeuGluTrpValAlaGluIleArgSerLysSerIleAsnSerAlaThr  
CATTATGCGGAGTCTGTGAAAGGGAGGTTCAACCATCTCAAGAGATGATCCAAAAGTGCT  
HisTyrAlaGluSerValLysGlyArgPheThrIleSerArgAspSerLysSerAla  
GTGTACCTGCAAAATGACCGACTTAAGAACTGAAGACACACTGGCGTTTATTACTGTTCAGG  
ValTyrLeuGlnMetThrAspLeuArgThrGluAspThrGlyValTyrTyrCysSerArg  
AATTACTACGGTAGTACCTACGACTACTGGGGCCCAAGGCACCACCTCTCACAGTGTCC  
AsnTyrTyrGlySerThrTyrAspTyrTrpGlyGlnGlyThrThrLeuThrValSer

FIG. 16B



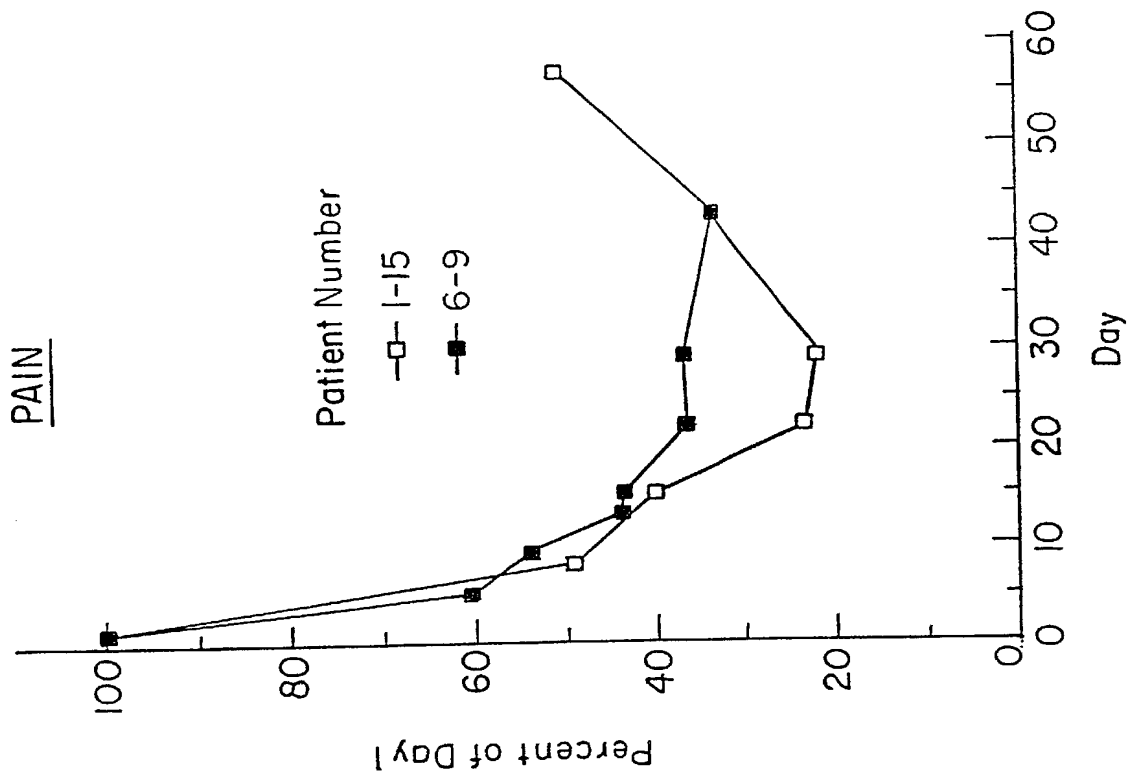


FIG. 18

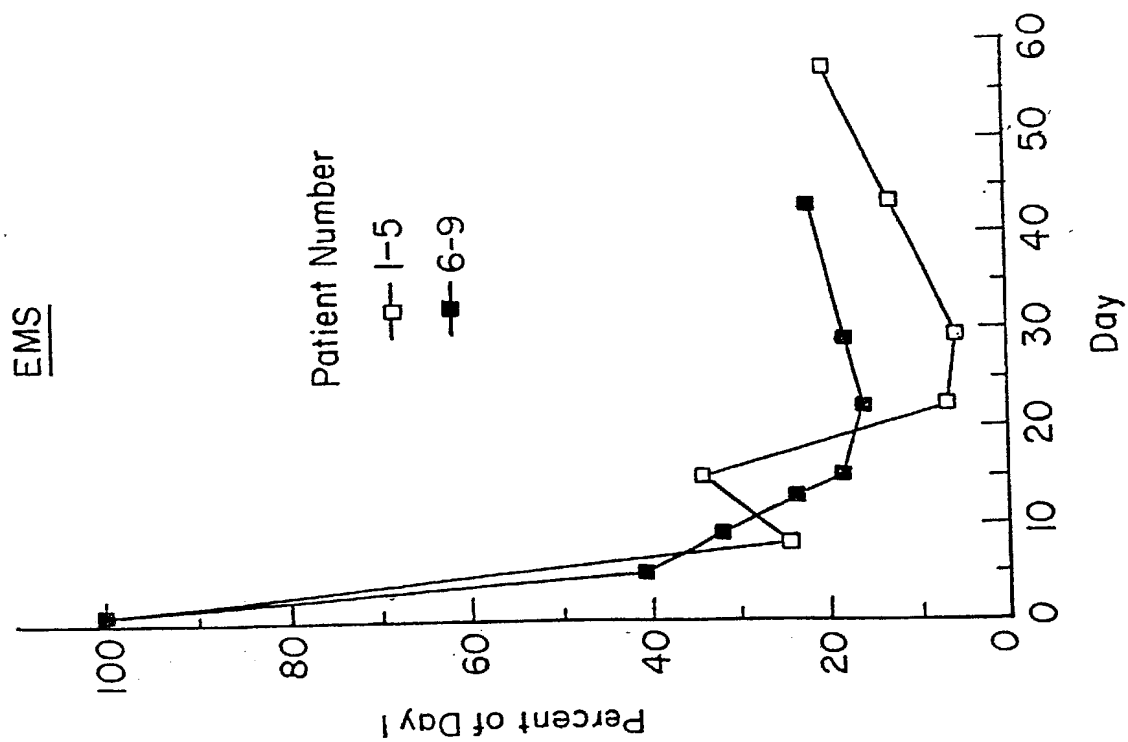


FIG. 17

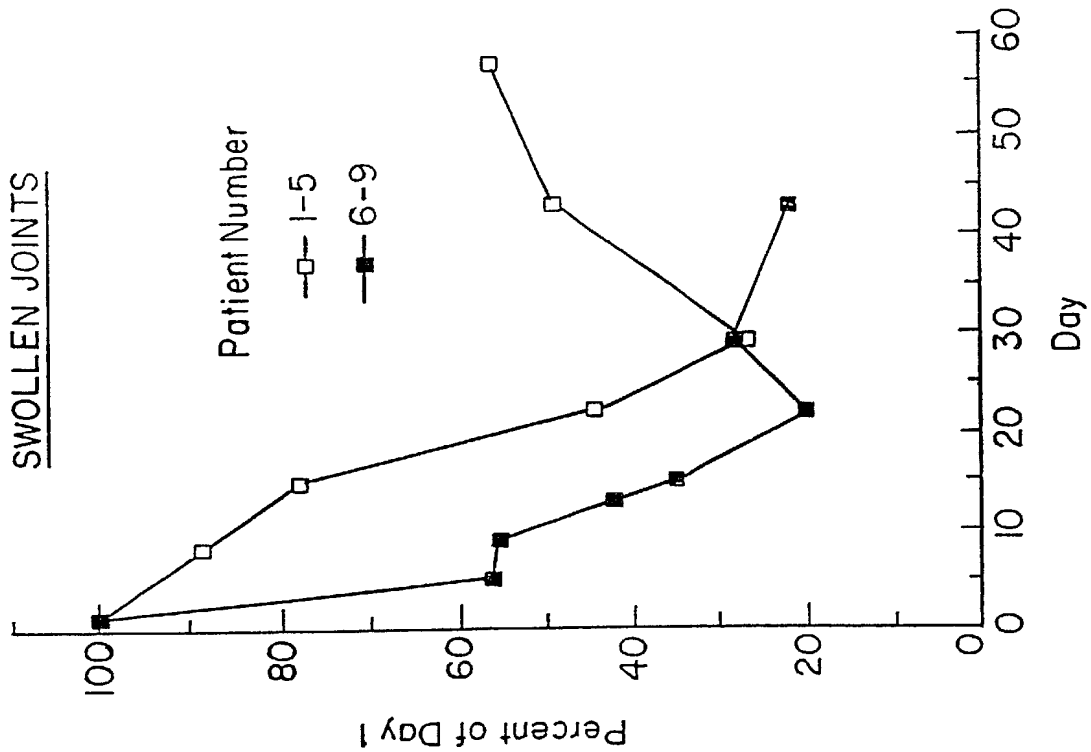


FIG. 20

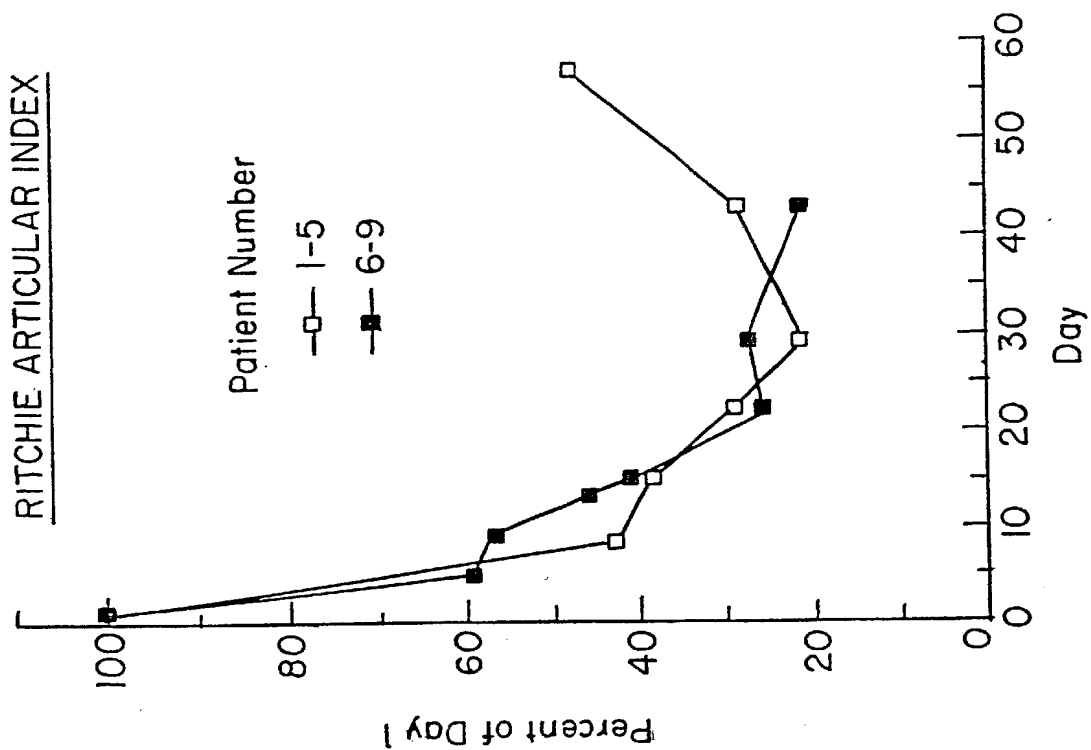


FIG. 19

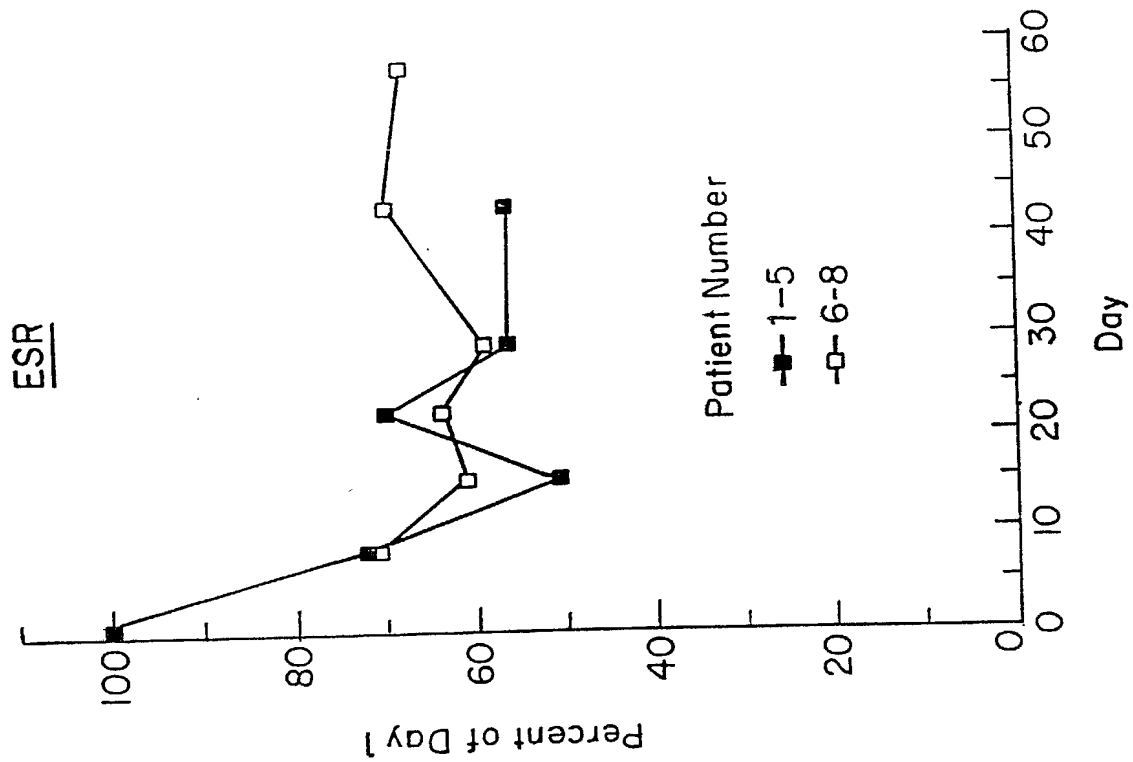


FIG. 22

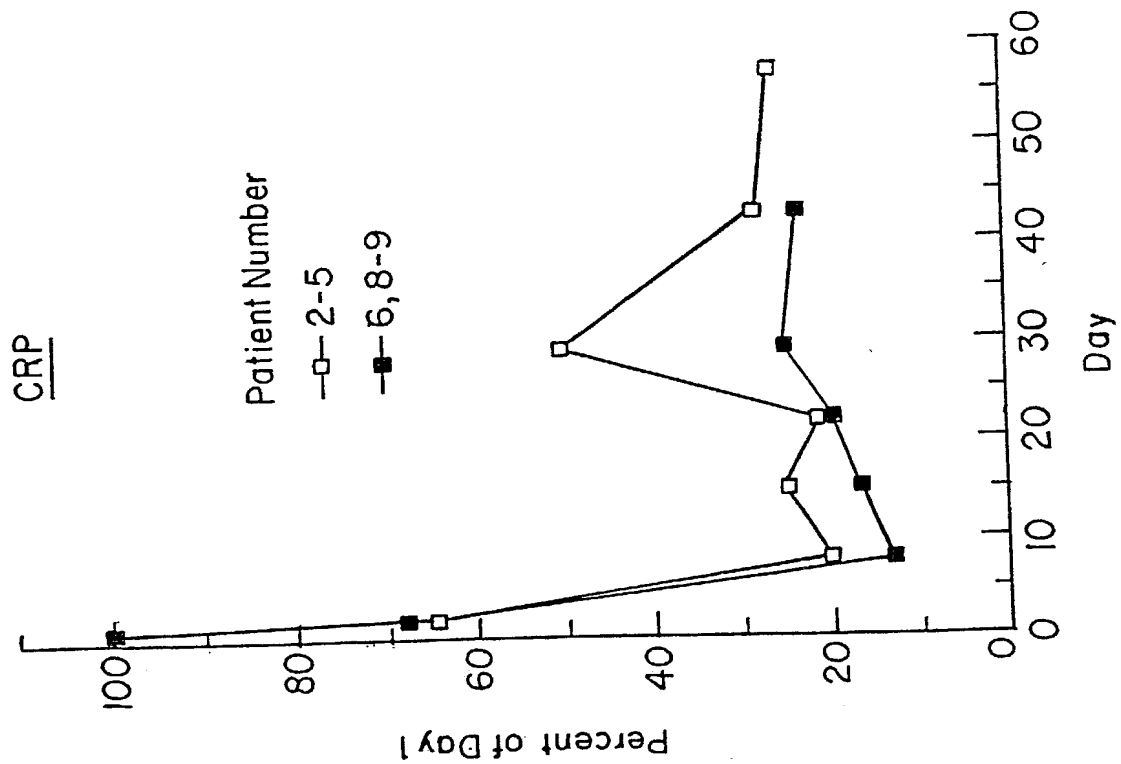


FIG. 21

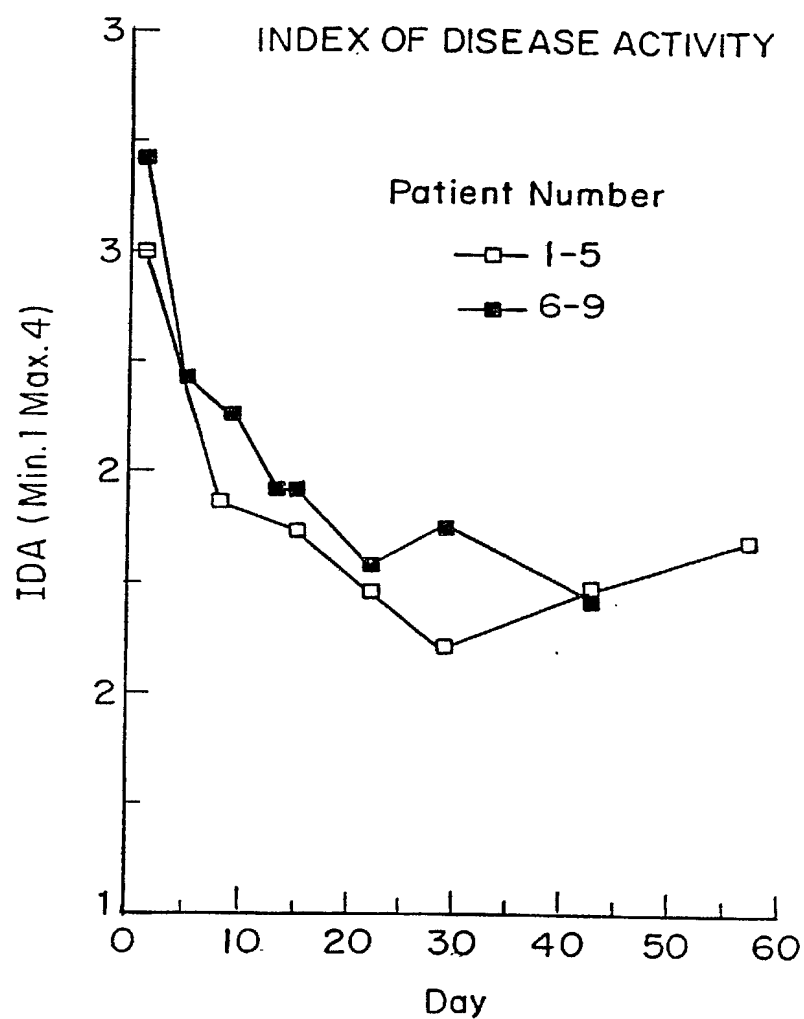
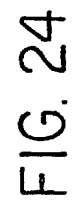


FIG. 23



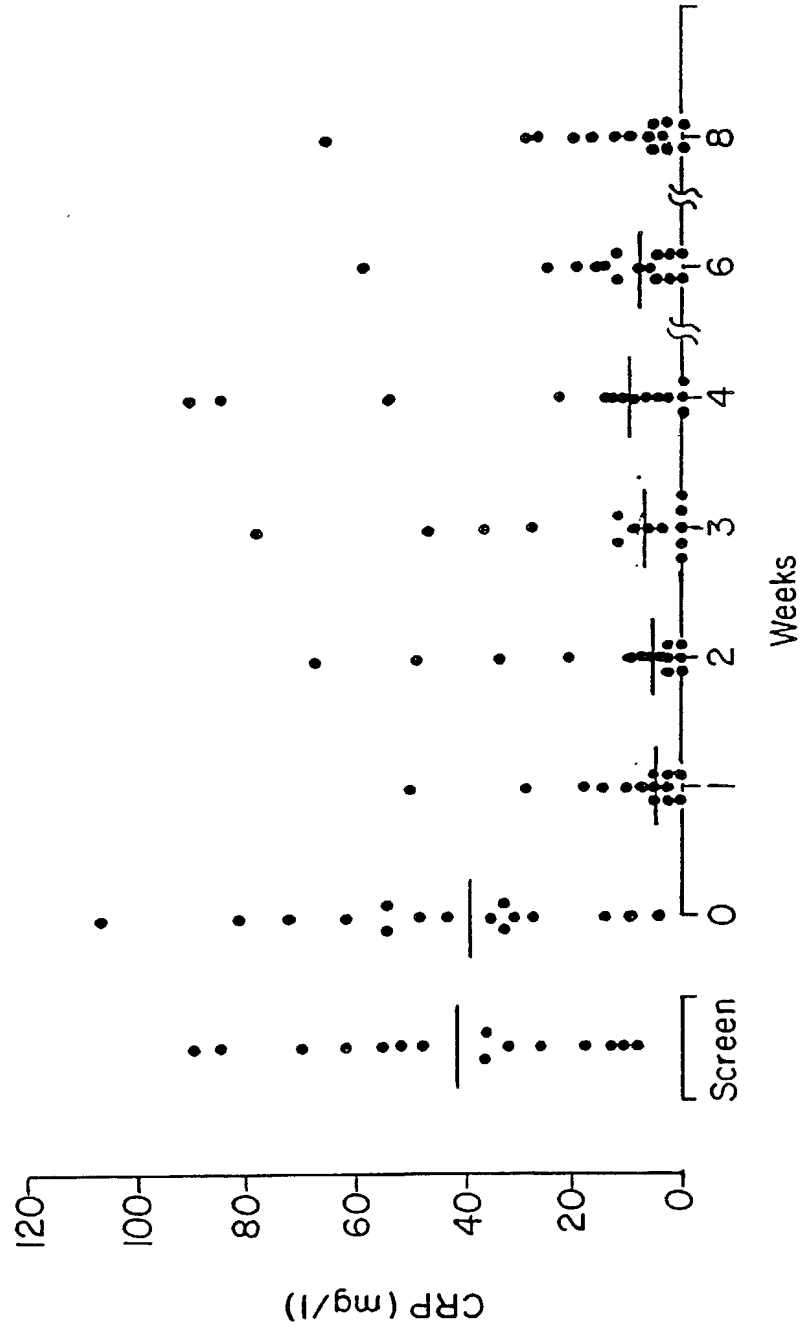


FIG. 25

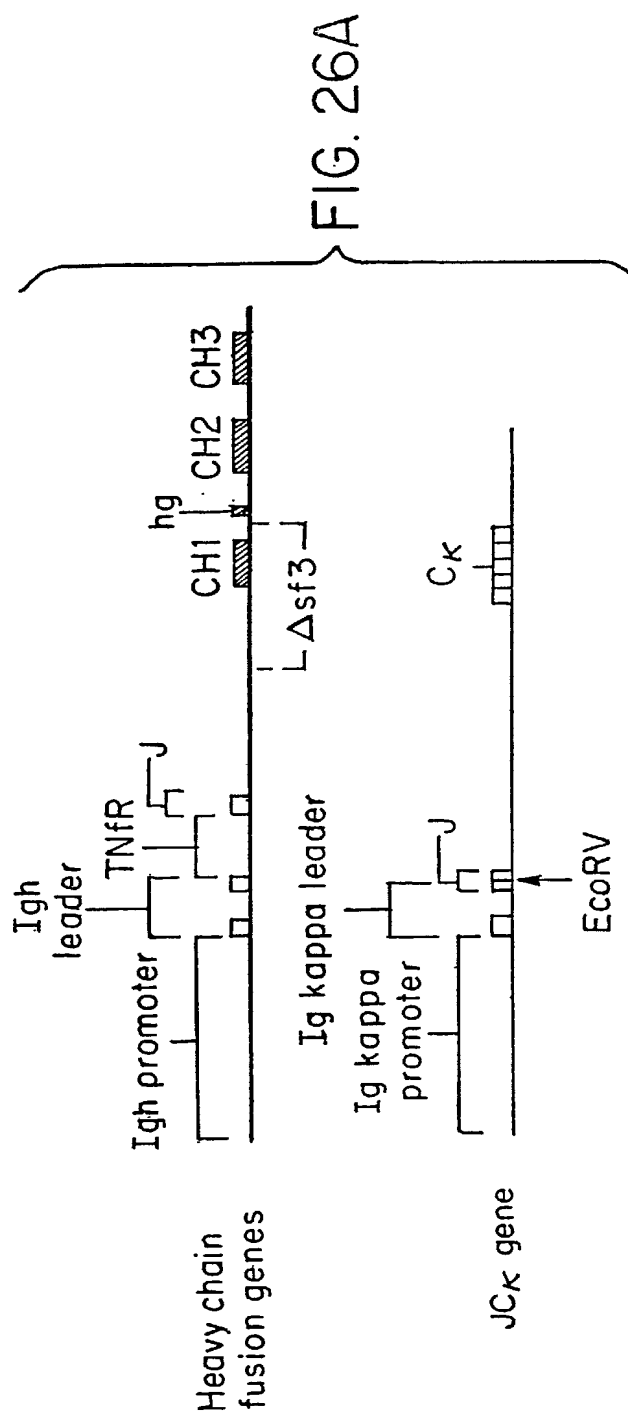


FIG. 26B

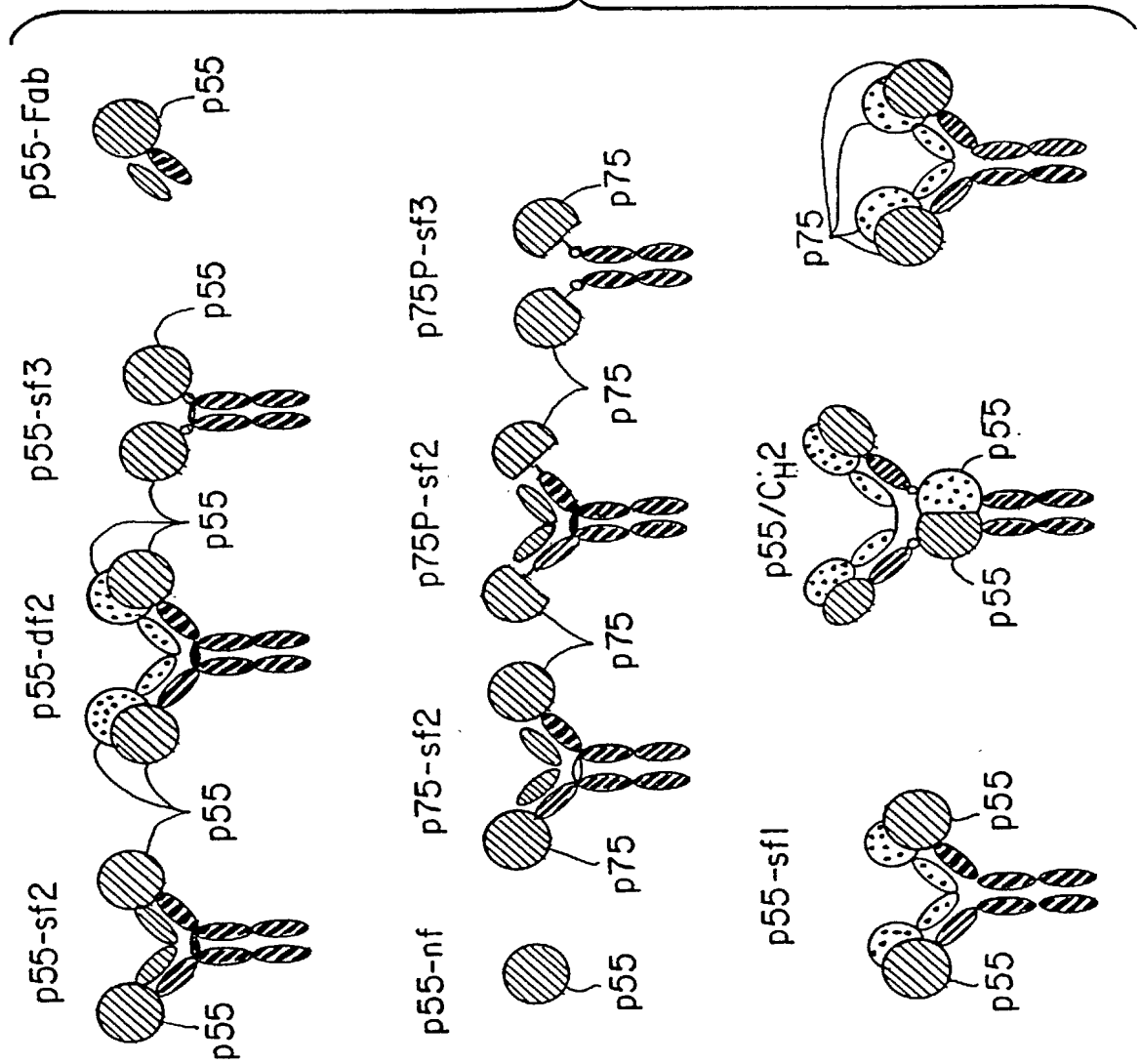
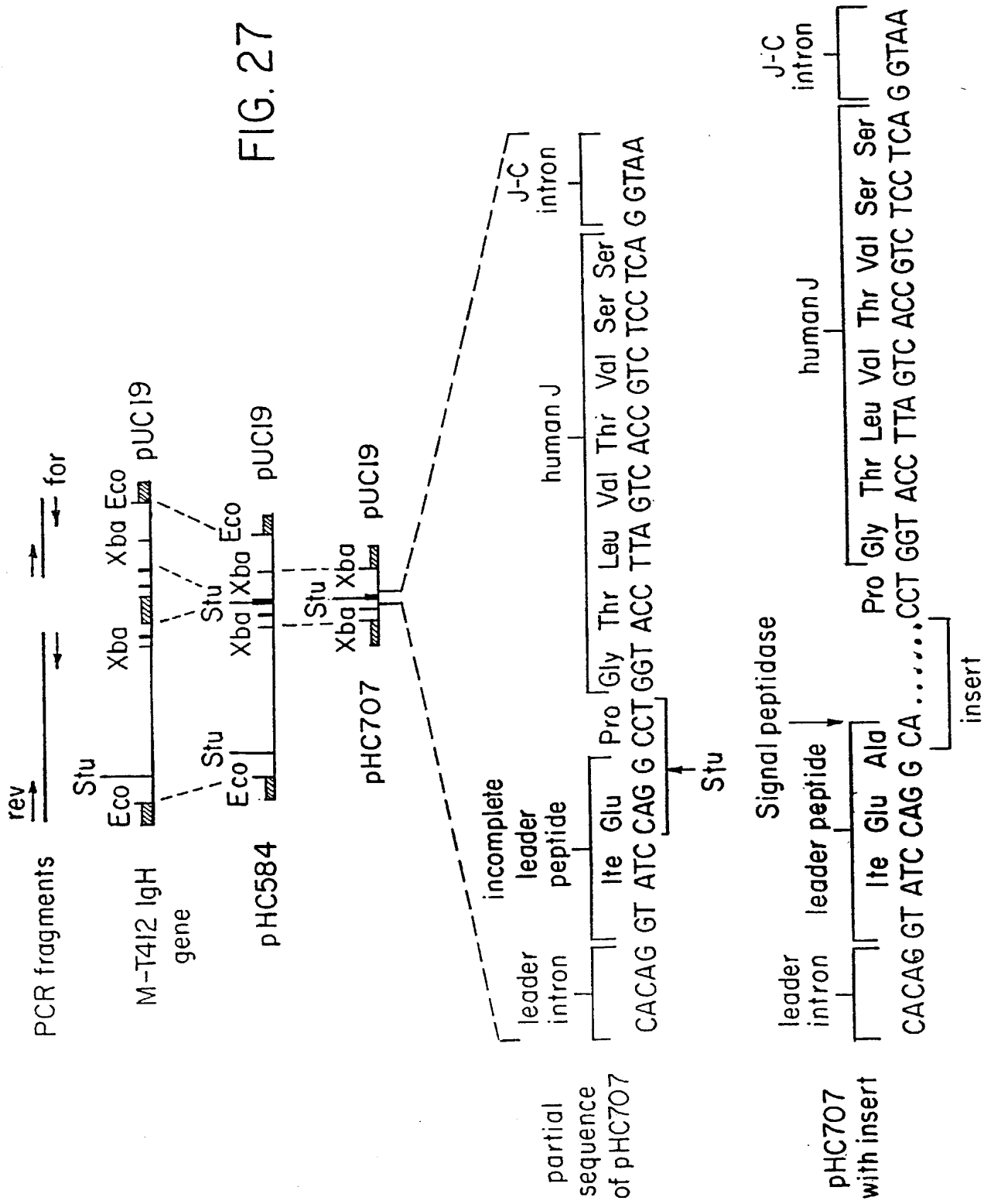




FIG. 27



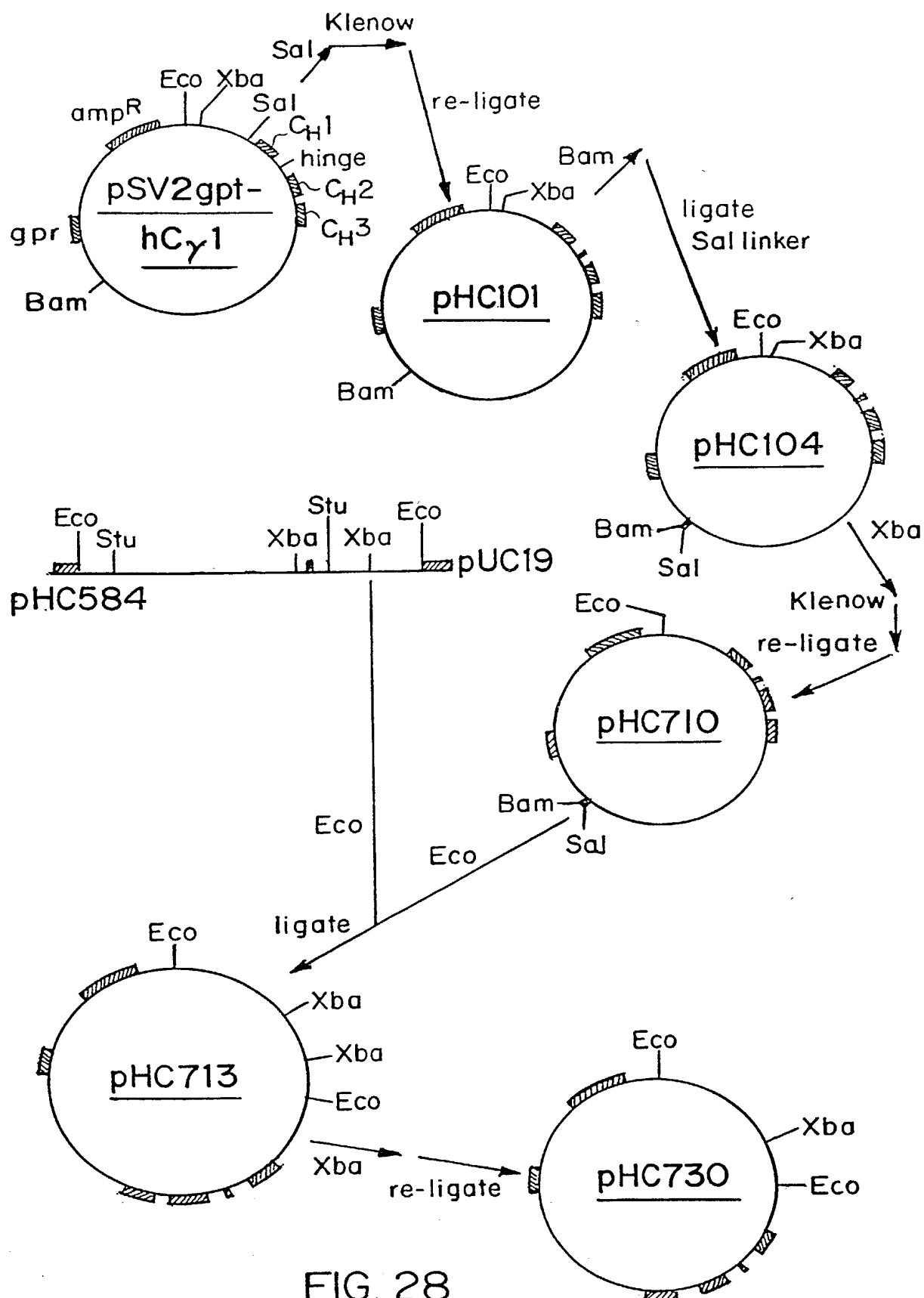


FIG. 28

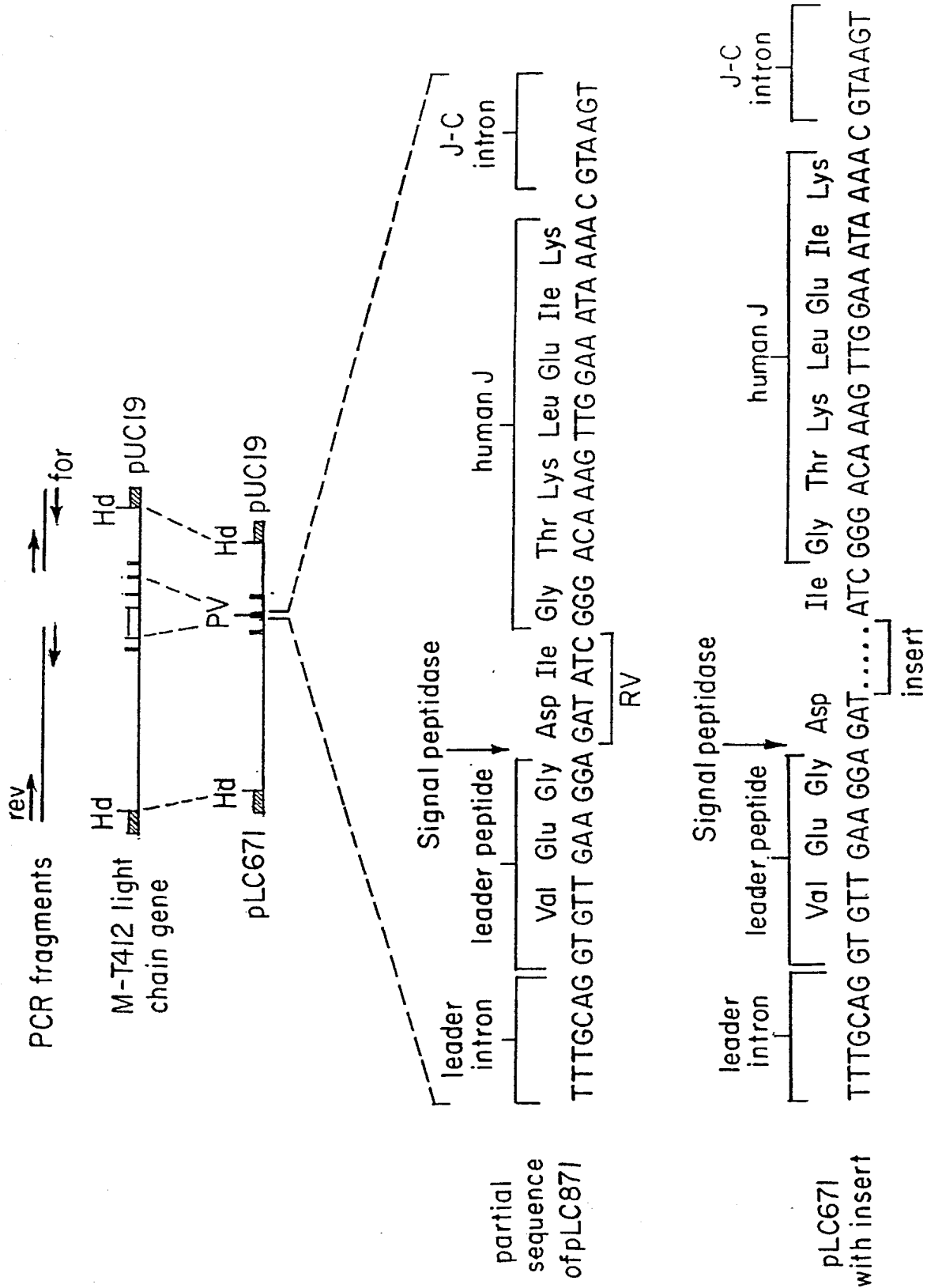


FIG. 29

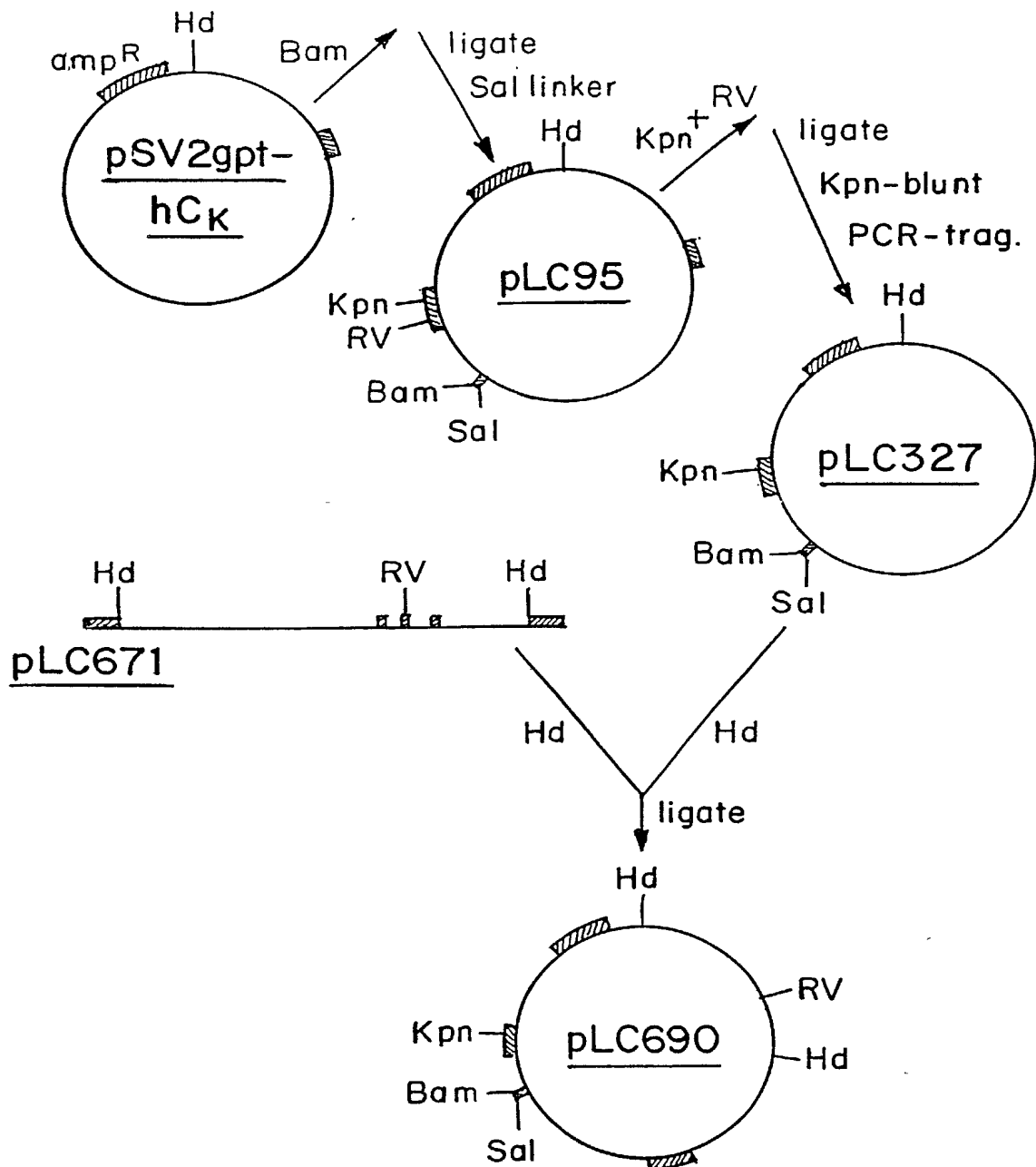


FIG. 30

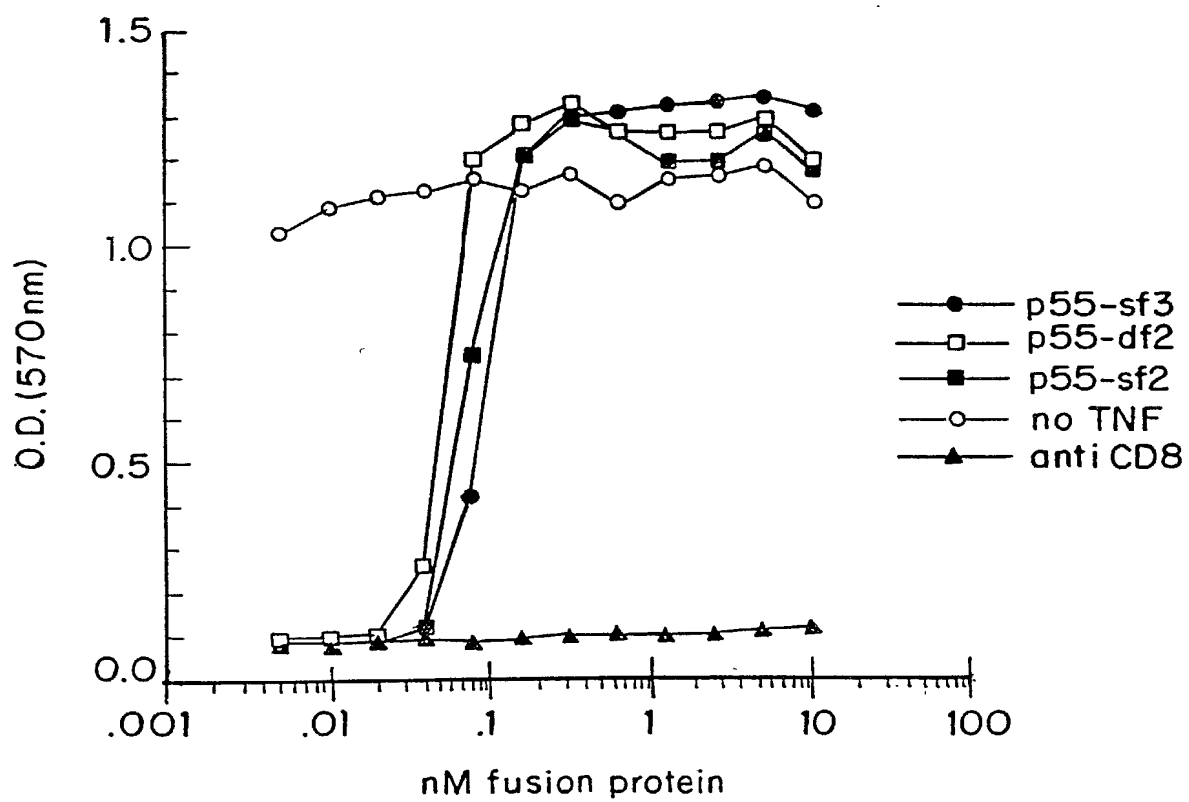


FIG. 31A

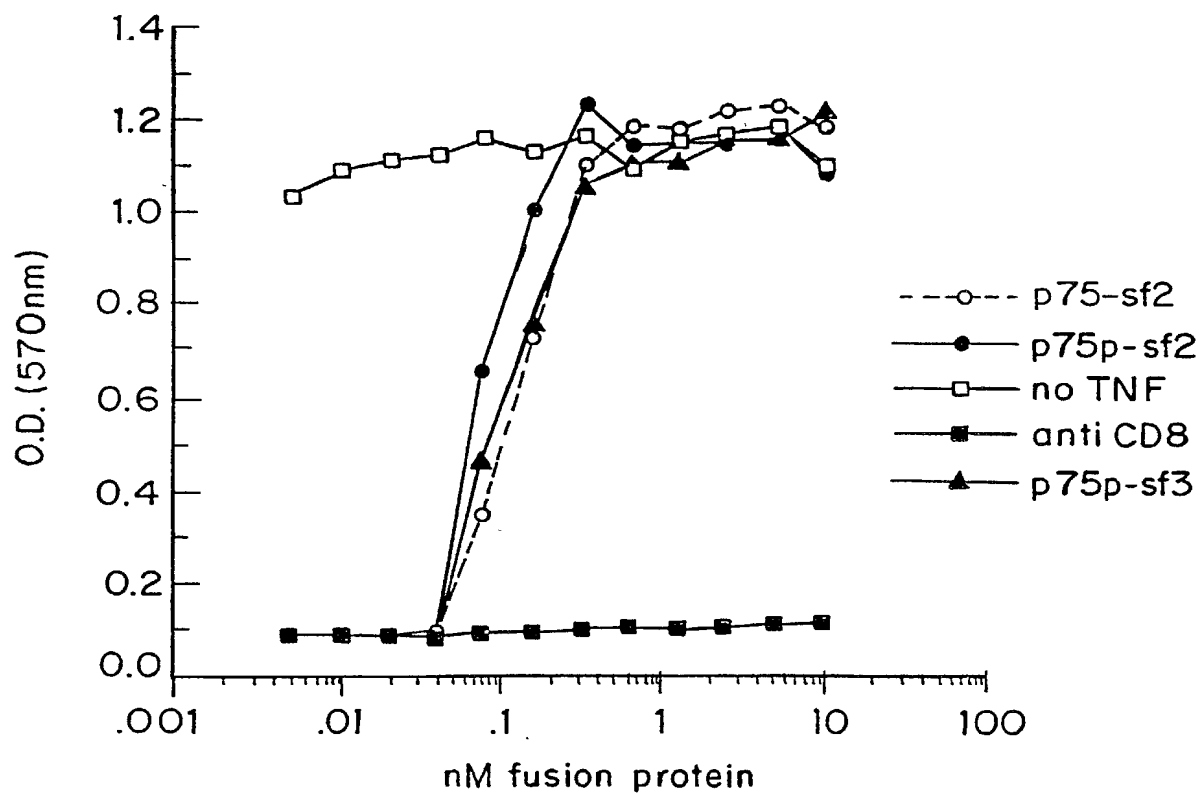


FIG. 3IB

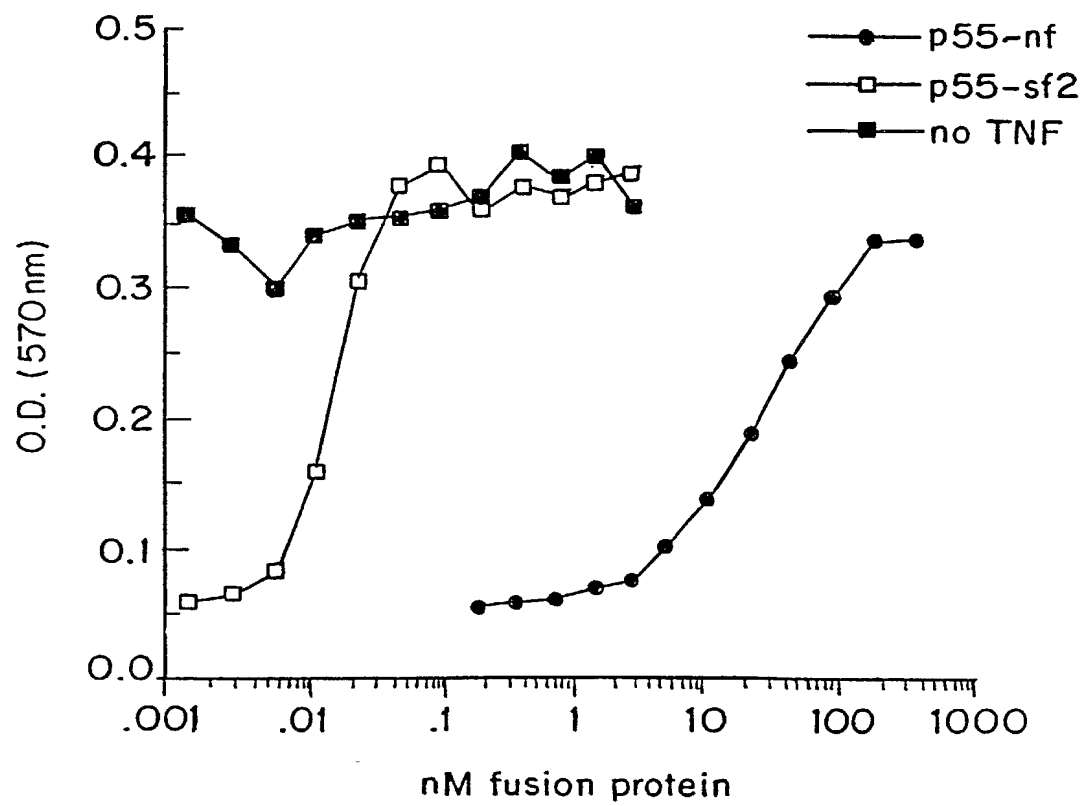


FIG. 31C

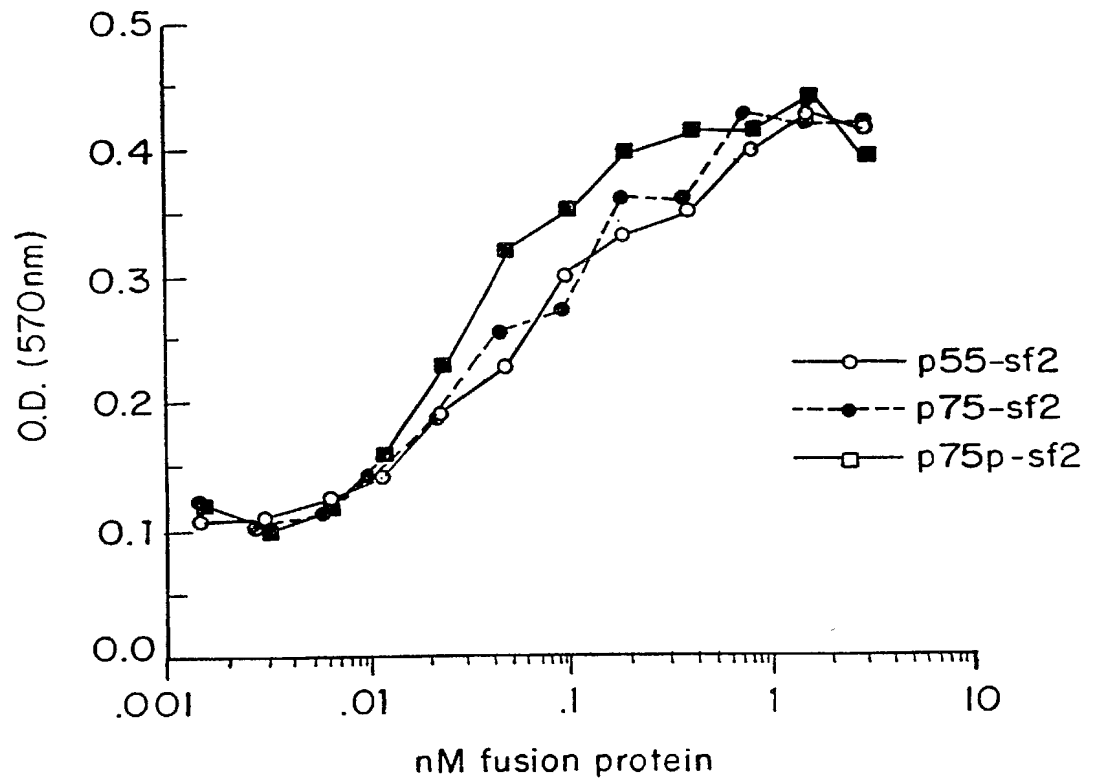


FIG. 32



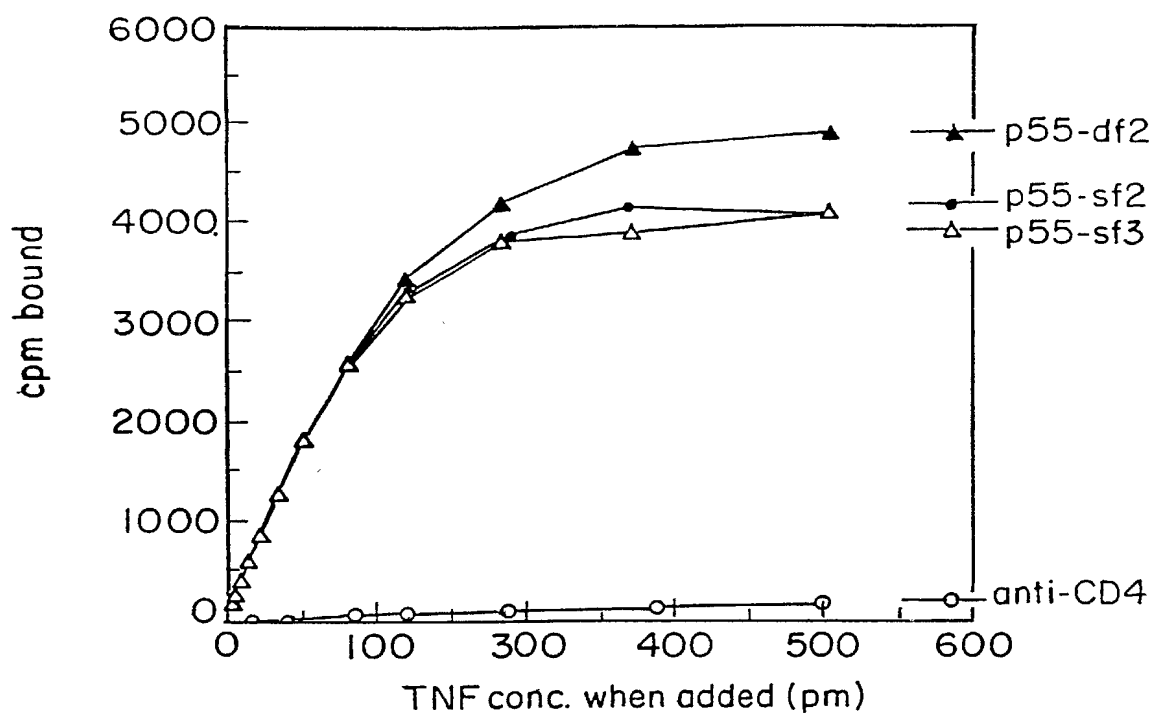


FIG. 33A

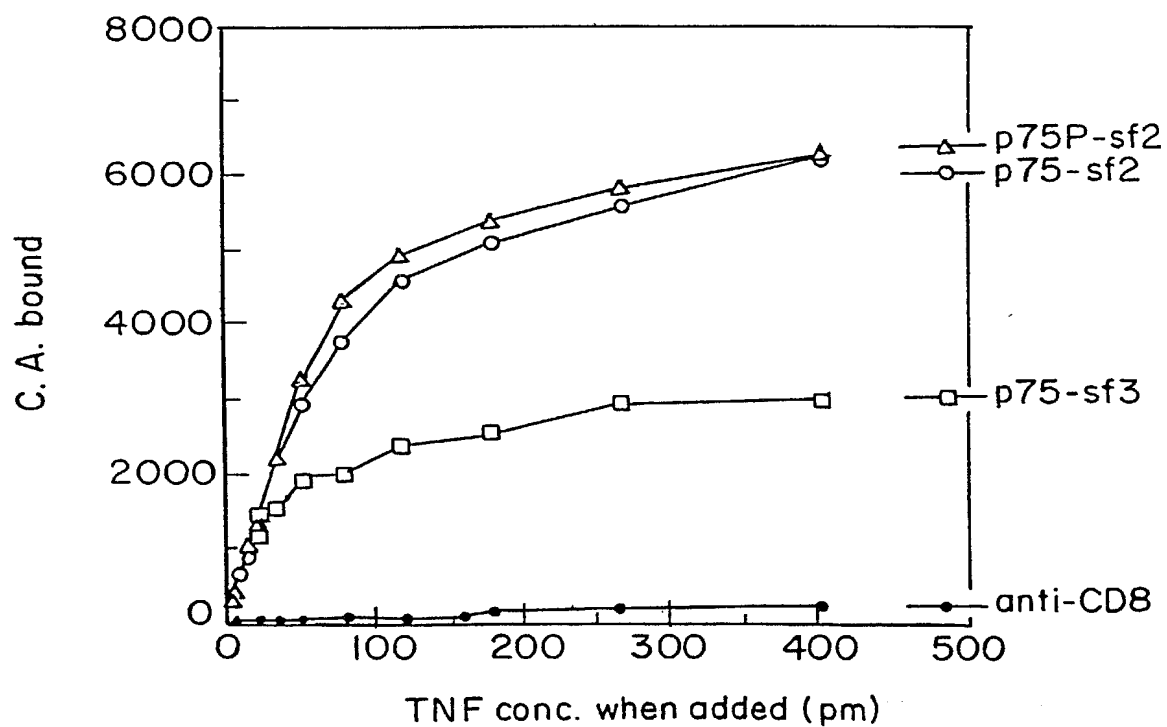


FIG. 33B

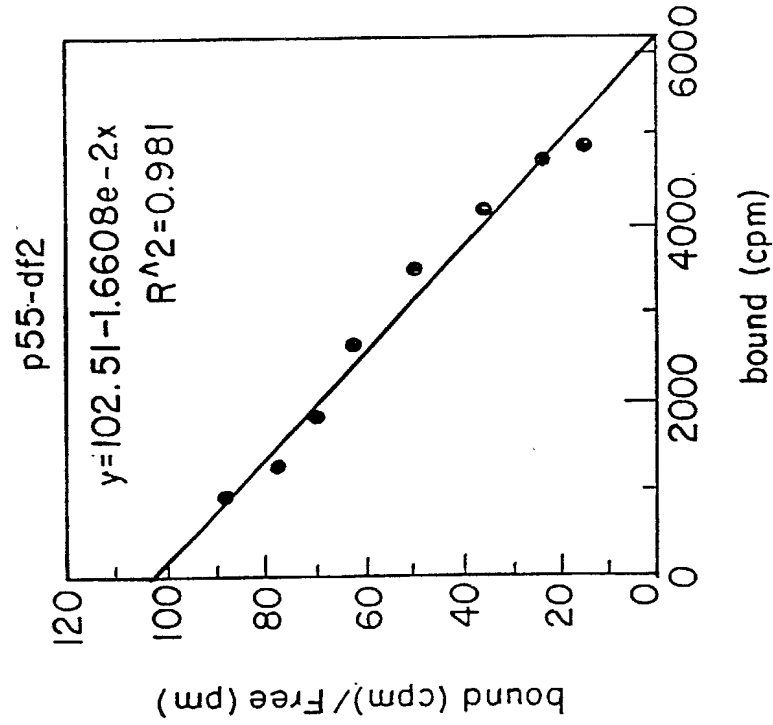


FIG. 33D

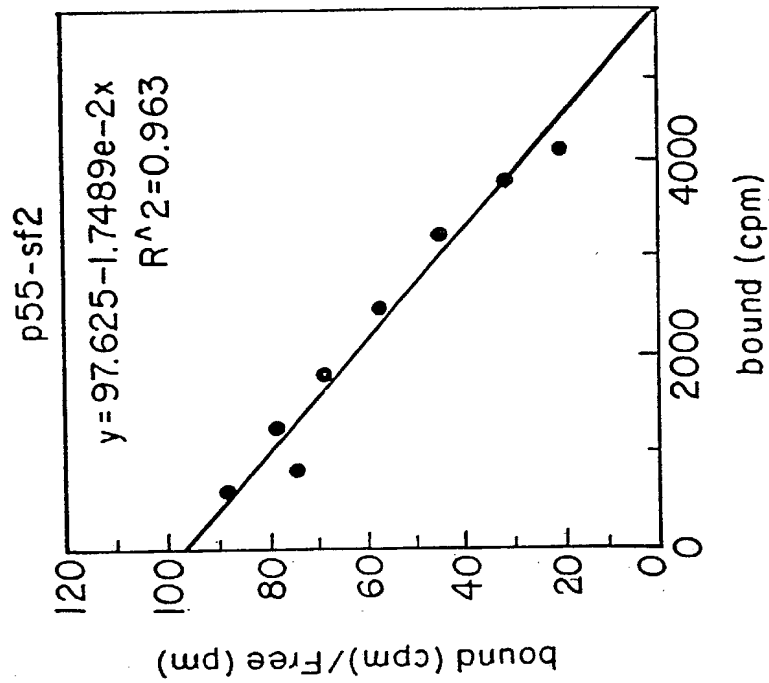


FIG. 33C

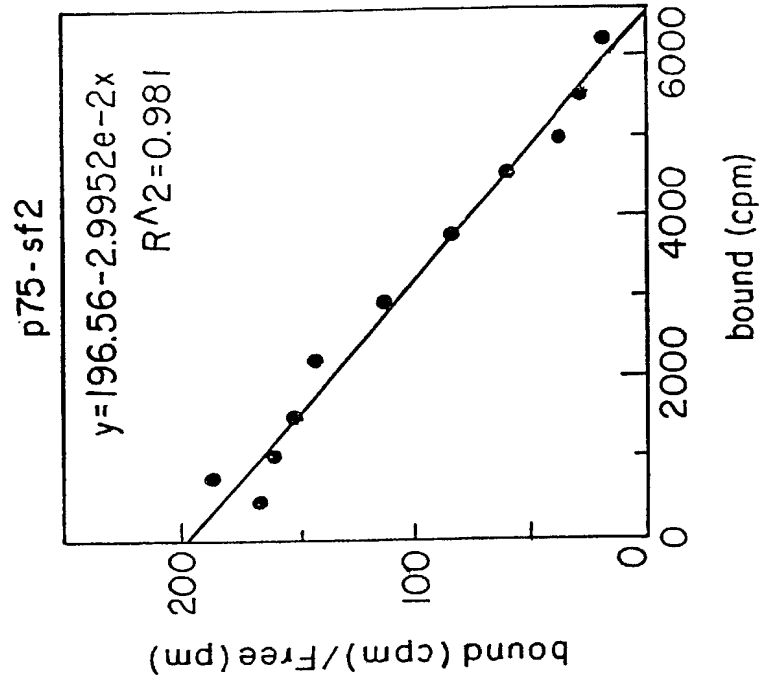


FIG. 33F

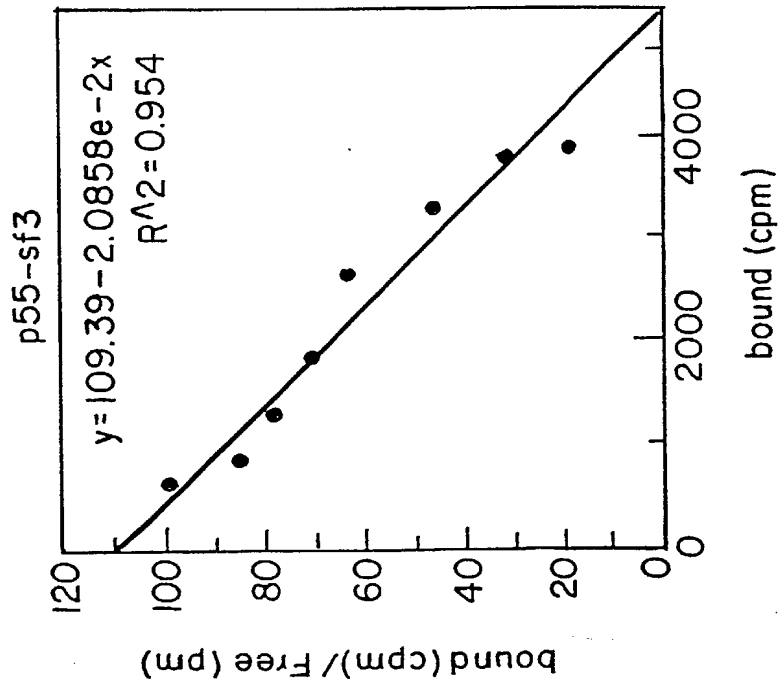


FIG. 33E

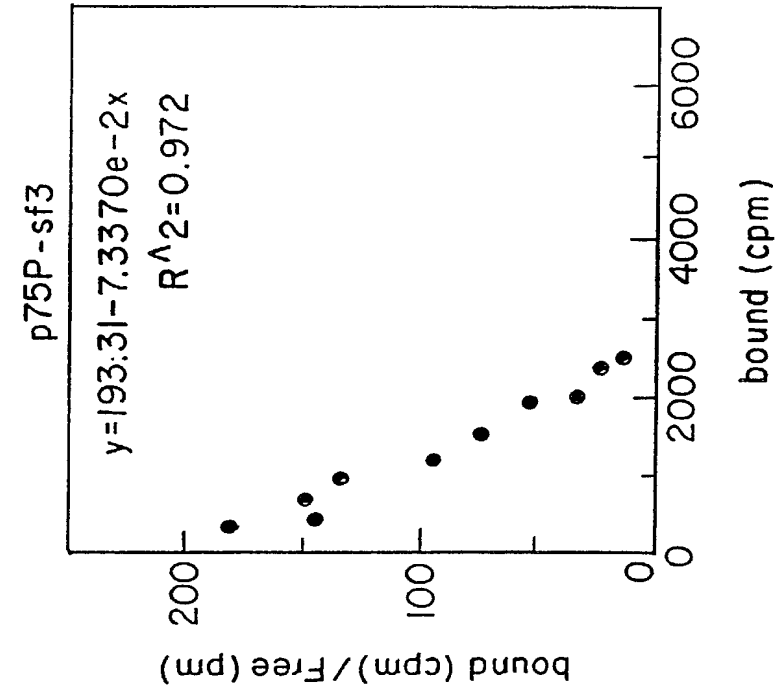


FIG. 33H

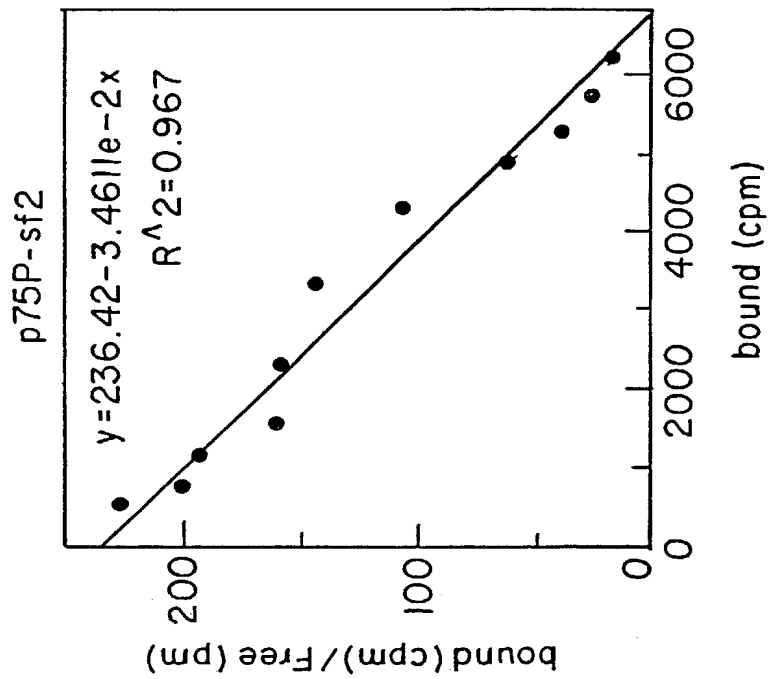


FIG. 33G